Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 140
Number 2

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July 14, 1941

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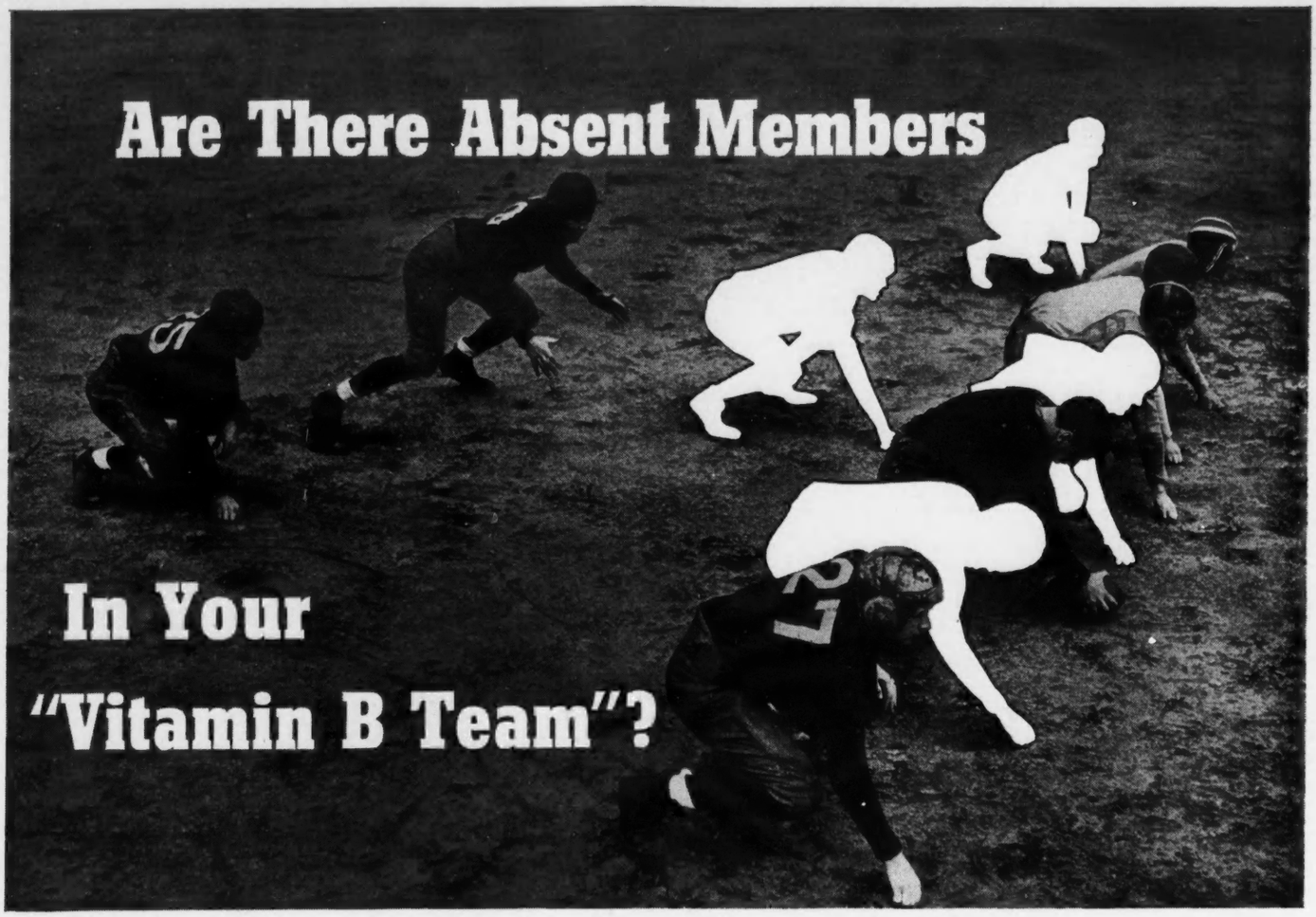
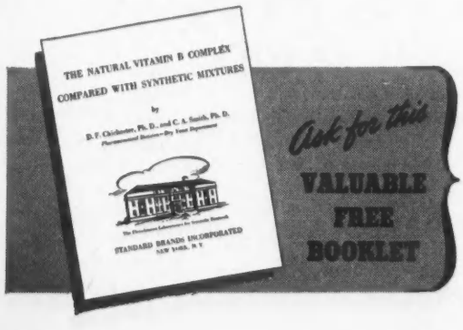
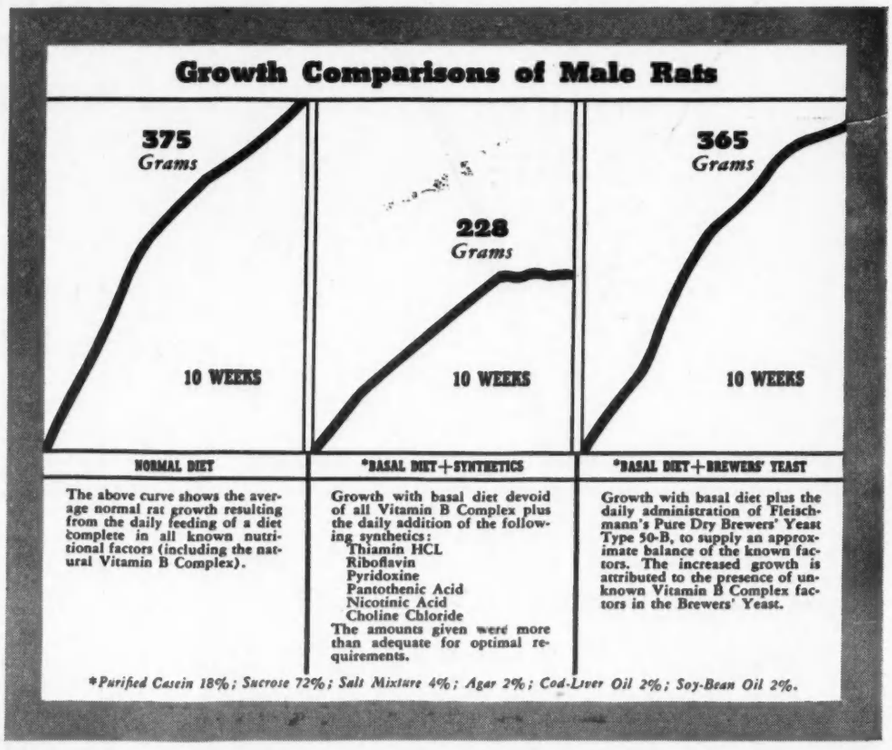


You can't expect winning results if members of the B Complex are missing. Natural Yeast Products give you the ENTIRE B COMPLEX... *both known and unknown factors.*

Typical growth curves of test rats illustrate the importance of the complete B Complex in the diet. Test animals do not reach normal maturity on a ration supplying only the known synthetics.

Fleischmann's High B Yeasts (Types 200-B, 90-B and 50-B) and Fleischmann's BEE-FLEX Type 321 (150 International Units B_1 and 500 micrograms riboflavin per gram) are recognized sources of all of the natural B Complex factors. Write for descriptions and prices.


THE NATURAL VITAMIN B COMPLEX COMPARED WITH SYNTHETIC MIXTURES
STANDARD BRANDS INCORPORATED
Ask for this
VALUABLE FREE BOOKLET


Growth Comparisons of Male Rats
375 Grams
10 WEEKS
228 Grams
10 WEEKS
365 Grams
10 WEEKS
NORMAL DIET
*BASAL DIET + SYNTHETICS
*BASAL DIET + BREWERS' YEAST
The above curve shows the average normal rat growth resulting from the daily feeding of a diet complete in all known nutritional factors (including the natural Vitamin B Complex).
Growth with basal diet devoid of all Vitamin B Complex plus the daily addition of the following synthetics:
Thiamin HCL
Riboflavin
Pyridoxine
Pantothenic Acid
Nicotinic Acid
Choline Chloride
The amounts given were more than adequate for optimal requirements.
Growth with basal diet plus the daily administration of Fleischmann's Pure Dry Brewers' Yeast Type 50-B, to supply an approximate balance of the known factors. The increased growth is attributed to the presence of unknown Vitamin B Complex factors in the Brewers' Yeast.
*Purified Casein 18%; Sucrose 72%; Salt Mixture 4%; Agar 2%; Cod-Liver Oil 2%; Soy-Bean Oil 2%.

STANDARD BRANDS INCORPORATED

Pharmaceutical Division • Special Products Department

595 MADISON AVENUE NEW YORK, NEW YORK

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison
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THE CHEMISTS' CLUB

Volume 140 **July 14, 1941** **Number 2**

Chemical Workers Show Decline

Employment Off 1.9 Percent—Payrolls Gain 3.5 Percent—Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a decline of 1.9 percent from April 15 to May 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 10.3 percent above the corresponding level of 1939. Payrolls showed a gain of 3.5 percent from April 15 to May 15, and stood 22.2 percent above same level in 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries May 15 was 133.1 (100 equals 1923-25 average), compared with 134.5 for April 15 and 120.6 for May last year. For payroll totals the index number was 162.2 (same basis), compared with 156.6 for April and 133.5 for May last year.

The bureau's general index numbers for all manufacturing industries May 15, 1941, showed the following comparisons:—

	May. 1941	April. 1941	May. 1940
Employment	124.7	122.7	102.5
Payroll totals	141.9	134.8	97.8

Employment in the chemical group of industries was 4.3 percent above the average of all industries. Payroll totals were 14.3 percent above the general average for industries.

—Continued on page 36

OPACS Chemical Unit Headed by Keyes

OPD Washington Bureau
July 8, 1941

A chemicals and drugs section is being established in the Civilian Supply Allocation Division, Office of Price Administration and Civilian Supply. It will be under the direction of Dr. Donald B. Keyes, head of the chemical engineering division at he University of Illinois, said Joseph L. Weiner, chief of the division, today. Dr. Keyes, who has been retained for approximately two months to set up the section, joined the Illinois faculty in 1926 following a private business career dating back to the first World War. From 1918 until his appointment at the university, he was connected with the U. S. Industrial Chemicals Company and the U. S. Industrial Alcohol Company, initially as a chemical engineer and later as director of research.

J. Elmer Thomas, petroleum analyst of Fort Worth, Tex., has been appointed advisory consultant in the fuel section of the Price Division, Office of Price Administration and Civilian Supply. Mr. Thomas will organize in the fuel section a staff of technical experts drawn from the oil and gas and coal industries. The new consultant has had twenty-seven years of widely varied exxperience in the oil business as a petroleum geologist and economist.

Among other appointments to OPACS Civilian Supply Allocation Division, announced today, was that of Dr. Reavis Cox, chairman of the marketing department of the Wharton School of Finance and Commerce, University of Pennsylvania, named assistant director, in which capacity he will exercise general supervision over allocation programs. Dr. Cox has been at the Wharton school since 1935. In the four preceding years he was instructor in the School of Business Administration at Columbia University, after five years as market editor

—Continued on page 36

Rosin Loan Asked To Increase Price

OPD Washington Bureau
July 11, 1941

An increase in the government loan rate to rosin producers is now under consideration by the Department of Agriculture with a favorable decision expected within the next week or ten days. The increase is being considered in connection with a request submitted by the American Turpentine Farmers Association, which represents approximately 95 percent of rosin production.

The request is based on increased costs of both labor and supplies and on the recently enacted law making it mandatory for the department to loan 85 percent of parity prices on basic commodities. Rosin prices are at present approximately 56 percent of parity, and the association is asking that the loan rate be increased to bring this price up to 75 percent of parity.

Chromium Under Full Priority Control

OPD Washington Bureau
July 7, 1941

Chromium and all its chemical compounds were put under full priority control today in an order signed by E. R. Stettinius, jr., Director of Priorities.

Current figures indicate that the consumption of chromite ore in this country at the present time is at the rate of between 750,000 and 800,000 long tons. The future rate of imports is not assured. Since almost all chromite ore used in this country is imported, increased pressure on shipping space or any other developments which tended to cut off the supply would cause a very serious situtation.

Most of the United States supply of chromite ore in recent years has come from Africa, the Philippines and Turkey. Approximately 2½ tons of metallurgical ore are required to make one ton of ferro-chromium.

—Continued on page 29

Petroleum Supply for East Gets Variety of Attention

OPD Washington Bureau
July 10, 1941

Indications that an agreement has been reached for early senate consideration of the Cole pipeline bill, designed to facilitate the construction of petroleum pipelines to ease the pending shortage of gasoline and oil on the East coast, were seen today as Majority Leader Alben W. Barkley of Kentucky received the consent of the senate for the interstate commerce committee to report the measure during the weekend recess of the senate. Senator Barkley said that, if the measure is reported over the weekend, he will call it up for consideration Monday. The bill was approved by the house June 5.

Among other steps taken during the week to alleviate the prospective shortage of petroleum products on the Eastern seaboard, the oil industry, in response to a request from Defense Petroleum Coordinator Harold L. Ickes, has taken action to utilize railroad tankcars to haul petroleum and products to the heavily populated East. Mr. Ickes reported that prompt enlistment of this method already has reduced surplus or idle tankcars by 20 percent.

Under the amended coastwise loadline regulations, signed by the President early in the week, oil tankers have already raised their loadlines to increase the carrying capacity of the tanker fleet supplying the East coast by an estimated 3 percent. The establishment of the new load lines will result in an increase of East coast receipts of oil by approximately 30,000 to 40,000 barrels a day, Deputy Coordinator Ralph K. Davies said.

Consumption Cut Asked

A request that governor of sixteen Atlantic Coast States "lead, each in his own State, a voluntary effort having as its aim a reduction in the consumption of petroleum products by at least 20 percent," was forwarded to each governor by Mr. Ickes. Mr. Ickes also sent the governors a copy of a campaign now being conducted in the District of Columbia showing many of the ways in which petroleum products, especially gasoline, can be conserved.

—Continued on page 36

Jones & Laughlin Names By-Product Sales Head

B. E. Stewart has been named manager of by-product sales for the Jones & Laughlin Steel Corporation. James MacBeth, jr., has been named manager of pig iron sales. The two managers succeed to vacancies caused by the recent death of M. W. St. John.

B. E. Stewart

A graduate of West Virginia University, Mr. Stewart was chemist for the Consolidated Coal Company from 1930 to 1933. He was a chemist for the Northern West Virginia Coal Operators Association from 1934 to 1937. He joined the Jones & Laughlin organization as head chemist of the by-product laboratory of the Aliquippa works in 1937.

Tankcar Owners, Lessees Plan Ass'n

Chicago, July 7, 1941

An association of large owners and lessees of railroad tankcars is being organized as an outgrowth of conferences of such interests at the Stevens hotel here today, to utilize tankcars more efficiently as a move to aid in the national defense program. Details are being worked out and official announcement is expected to be made shortly. An executive committee of fifteen is at work to formulate preliminary plans for the association.

Although national defense officials stated there were no definite plans for tankcar priorities, it was understood in informed quarters that some such system is likely to be established soon. Unofficial reports are that some kind of voluntary priorities may be worked out through the new association. Membership in the association will be limited to those owning or leasing twenty-five or more tankcars.

Ralph Budd, transportation commissioner of the Advisory Commission to the Council of National Defense, in addressing the tankcar people at the meeting said the purpose of the meeting was simply promotion of tankcar efficiency in the present national emergency. He said he felt there was no shortage of tankcars at present.

Chemical Control In Germany

Chemicals, drugs, and related materials were put under official allocation or control in Germany by the publication of regulation No. 13 of the Reichstelle Chemie, by order of the Reichsbeauftragter fur Chemie, September 5, 1939. The original order has been revised or extended at least five times, the latest reported revision having been published May 3, this year. The progressive regulations are made effective one day after official publication.

The German scheme of allocation or control for chemicals, drugs, and related materials puts these articles into three categories. Revisions and amendments have changed the status of various materials from time to time. By the same means the regulations have been made applicable to "the new territories to the East."

Articles in the first and second classifications are commandeered by the Reichstelle Chemie unless they are held or owned by the army, by hospitals, the retail trade, or small consumers. These articles are subject to Reichstelle Chemie permits for consumption, sales, and purchasing, respectively. Production, processing, consumption, distribution, and stocks of these materials must be reported twice a month.

The third classification comprises such items as are not subject to the permit requirement but which must be reported to the board monthly.

The several classifications of allocated or controlled materials, as amended to May 3, comprise the following items:—

Classification I

Adeps lanae anhydrous
Adeps lanae D.A.B. 6
Adeps lanae hydrous
Alkaloidal containing raw materials (the trade in these materials is asked to communicate with the Reichstelle Chemie as regards classification of these materials)
Arsenic acid
Beeswax
Bismuth
Bismuth earths
Bismuth-containing dusts
Borax
Boric acid

—Continued on page 28

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

July 11, 1941.	July 3, 1941.	July 15, 1940.
124.9	**124.9**	**101.2**

Oils, fats, and waxes and drugs and fine chemicals are up from the preceding week; aromatic materials are down.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

London Closing Cable

LONDON, July 11, 1941

Santonin advanced to £46 per kilo in 15 kilo lots.

Calcium Chloride Prices

The Dow Chemical Company, Midland, Mich., announces that effective immediately the price for flake calcium chloride in burlap bags is being advanced $2.50 per ton over the price of flake calcium chloride in paper bags. Flake calcium chloride in drums is being advanced $3.50 per ton over the price of calcium chloride in paper bags. These changes are applicable to carload lots in all zones.

Cottonseed Oil Easier

Refined cottonseed oil futures weakened Friday with outside markets. Local traders and commission houses sold on expectations that ceiling prices would be fixed by the government in the near future. Crude cottonseed oil was scarce and nominal. Cotton crop news mainly unfavorable.

Defense Materials Price-Trend Index

The Bureau of Labor Statistics index of prices of strategic materials remained unchanged during the week ended July 5 at 139.3 percent of the August, 1939, level. There were fractional advances in prices of tin, rubber, and manila fiber while quotations on raw silk continued to decline. A slight increase in the price of mica splittings for the week ended June 28 was also reported.

There were no changes in prices of critical materials and the bureau's index remained at 114.4 percent of the pre-war level for the third consecutive week.

Index numbers of market prices of strategic and critical materials are:—

(August, 1939 = 100)

1941	Strategic	Critical
June 21	138.9	114.4
June 28	139.3*	114.4
July 5	139.3	114.4

*Revised.

Bids Wanted

Acetylene:—77,200 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 4, opening July 17.

Antimony Tersulphide: — 3,200 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 14, opening July 14.

Bleaching Material:—100,000 tubes; Quartermaster Supply Officer, San Antonio General Depot, Fort Sam Houston, Tex.; invitation 503-2, opening July 16.

Containers, Corrugated:—Supplies of various sizes; Purchasing Agent, Government Printing Office, Washington; opening July 15.

Cornstarch:—200,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7860, opening July 22.

Dipentine:—10,000 gallons; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7840, opening July 22.

Drycleaning Solvent:—7,000 gallons; Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 503-3, opening July 17.

Glue:—3,000 pounds; Purchasing Agent, Bureau of Engraving and Printing, Washington; invitation BEP 1461, opening July 15.

Graphite, Lubricating:—30,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7769, opening July 22.

Grease, Lubricating:—4,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7910, opening July 17.

Magnesium-Silicate:—50,000 pounds; Bureau of Supplies and Accounts, Navy Department; Washington, schedule 7840, opening July 22.

Methyl Violet Toner:—1,100 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7840, opening July 22.

Napthenate Drier:—11,700 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7840, opening July 22.

Oxygen:—129,800 cubic feet; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 4, opening July 17.

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Chemical Prices Raised Farther

Another advance in the price of quicksilver, effecting an increase also on mercurials, raised the average of prices last week in the markets for heavy and fine chemicals. Natural fertilizer materials were again subjected to upword price pressure. Several other widely unrelated materials were similarly affected.

Business continued much bigger in inquiry than in offering or delivery, but the last phase was bigger than ever before. New business generally went unnoticed. Odd lots were getting scarcer and scarcer. Adventurers in exporting were mostly without anything to work with.

Prices were advanced on quicksilver, calomel, corrosive sublimate, red and yellow oxides of mercury, white precipitate, fluorspar, menthol, domestic and Argentine casein, castor beans, blackstrap molasses, cocoa butter, gum rosin, gum and steam-distilled wood turpentines, agar, aloin, domestic tankage, menhaden meal, Eastern nitrogenous fertilizer stuff, cottonseed meal in the Southeast, and bone and steamed bonemeal at Chicago.

The price of halibut-liver oil was reduced.

The REPORTER's composite index number of prices for heavy and fine chemicals ascended farther to 135.3 (100=average at August 1, 1914). In comparison with average prices in 1926 (at 100), the REPORTER's index number is now 95.8, compared with 91.7 at this time last year and 88.7 in 1939. (These index numbers will shortly be abandoned for the more comprehensive series appearing in the first column.)

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OPM to Use Courts For Compliance Orders

OPD Washington Bureau
July 7, 1941

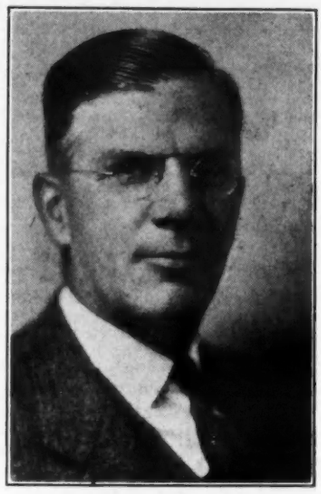
E. R. Stettinius, jr., Director of Priorities, today announced the creation of a compliance section within the Priorities Division. The new compliance section will investigate and take appropriate action in cases involving non-compliance or violation of priority orders. In the event that efforts to obtain voluntary cooperation fails, action which may be taken includes:—

1. Public statements as to violations or evasions which have taken place.
2. The restrictions of supplies of critical materials until compliance is assured.
3. Court action to require compliance.

L. J. Martin, who is in charge of the inventory control section, operating under General Metals Order No. 1, will assume new duties as head of the compliance section and will continue as chief of inventory control.

Leeming & Co. Elects McShane President

John H. McShane, vice-president in charge of sales and advertising since 1926 for Thos. Leeming & Co., pharmaceutical manufacturer, this city,



John H. McShane

has been elevated to the presidency to succeed to the post vacated by the recent death of Dwight E. Austin. Mr. McShane has been associated with

—Continued on page 47

Buffalo-Niagara Defense Units Get Power Quota

OPD Washington Bureau
July 10, 1941

The Federal Power Commission today directed the Niagara Falls Power Company to allot portions of the 64,100 kilowatts of power being produced from the temporary diversion of 5,000 c.f.s. of Niagara river water to the following fifteen defense industries located in the Buffalo-Niagara area:—

Aluminum Company of America, 1,200 kilowatts; Carborundum Company, 5,000; General Abrasive Company, Inc., 700; Great Lakes Carbon Corporation, 3,400; Hooker Electrochemical Company, 2,400; Innis Speiden & Company, 100; International Graphite & Electrode Corporation, 2,000; National Carbon Company, 4,000; Niagara Alkali Company, 1,400; Niacet Chemicals Corporation, 900; Oldbury Electro-Chemical Company, 1,400; Pittsburgh Metallurgical Company, 7,400; Titanium Alley Mfg. Company, 4,200; Union Carbide Company, 16,000; Vanadium Corporation of America, 14,000.

Borax Allocation Plan For Glass Is Extended

Because the total defense and civilian demand continues temporarily to exceed the available supply, the Civilian Supply Allocation Division of the Office of Price Administration and Civilian Supply today extended from July 5 to July 30, 1941, its civilian allocation program for borax and boric acid used in manufacture of borosilicate glass. The original program was issued on June 6, 1941.

Paint Simplification Program Submitted

OPD Washington Bureau
July 9, 1941

The Division of Simplified Practice of the National Bureau of Standards has submitted to manufacturers, distributors, and users of paints, varnishes, and related products a proposed revision of simplified practice recommendation R144 designed to promote the program of national defense by reductions in the number of colors and package sizes of protective coatings in commerce.

The proposed revision would reduce the number of colors of oil paints, enamels, and varnishes from 218 to 153, and would reduce the number of colors of water-mixed paints from 127 to 101—black and white are not counted as colors.

Five new classes of products are added to the lists of paints and related products, bringing the total to thirty-six.

Heretofore the simplification of packaging has been covered only by recommending the elimination of certain sizes of containers. In the proposed practice specific packaging recommendations are given for each class of product.

The most important proposal is the elimination of the half-gallon can and the 30-gallon (half-drum) container in all trade sales and industrial sales products. This proposal is based on the need for conserving tin and steel. A survey shows that half-gallon cans constituted but 9.5 percent of the total gallonage sold.

The proposed practice was drafted pursuant to discussions and decisions at a meeting June 11 of the Bureau of Standards standing committee and the simplification committee of the National Paint, Varnish and Lacquer Association.

F.T.C. Hits List Of Select Wholesalers

OPD Washington Bureau
July 11, 1941

The Federal Trade Commission ordered a group of glassware manufacturers and their representatives and an association of wholesale dealers to cease and desist from combinations and agreements to suppress competition in the glassware trade in Milwaukee and the surrounding trade area.

Commission findings are that the respondent glass manufacturing companies and the respondent wholesale dealers conspired and combined to cut off sources of supply of glassware for resale by the Badger Cash and Carry Stores, Milwaukee, which organization had cut its resale prices for glassware below the resale prices of the respondent wholesale dealers. The re-

—Continued on page 36

Silver for Tin in Solder Recommended to OPM

OPD Washington Bureau
July 10, 1941

Extensive substitution of silver for tin in solder in order to conserve and hasten accumulation of adequate reserves of tin was recommended to the Office of Production Management by a committee of the National Academy of Sciences in a report made public today. This suggestion topped a list of measures urged by the committee as "the most ready means to bring about further conservation and substitution of tin, in actual emergency, or in order to facilitate the accumulation of an adequate stockpile."

The report stated that 66,000,000 ounces of silver annually should be sufficient for "all-out" replacement of tin in solder. Forty to fifty pounds of tin may be replaced by 2½ to 5 pounds of silver, it added, and at present prices for tin and for industrial silver the raw material cost of 2½ percent silver solder is practically identical with that of an equal volume of solder composed of 45 percent tin and 55 percent lead. Actual present prices of silver solders appear to be more above those of lead solders than this ratio of raw material cost indicates, the committee said, but this may be because of the relatively small production of silver solders so far.

Export Control Affidavit List to July 1 Issued

OPD Washington Bureau
July 9, 1941

The Administrator of Export Control today issued, as part of Export Control Schedule No. 12, a corrected list to July 1 of commodities requiring basic affidavits to destinations other than the British Empire.

The information contained in the affidavits, the administrator said, shall cover with certain exceptions, each of the calendar years of 1937 through 1940. On any application for any shipment to a given country where an affidavit is required, it was explained

—Continued on page 57

Aluminum Power Move Defended by Ickes

OPD Washington Bureau
July 8, 1941

Harold L. Ickes, Secretary of the Interior, today denied charges that action by the department in refusing to supply the Aluminum Company of America with additional power from the Bonneville dam has resulted in accentuating the shortage of aluminum for defense purposes. In a letter to Representative Andrew J. May of Kentucky, chairman of the house military affairs committee, which recently issued a report on defense program progress, Mr. Ickes explained that the Bonneville act requires that Bonneville power be so administered as "to prevent the monopolization thereof by limited groups," thus making it mandatory to withhold additional power from the Aluminum company.

The Bonneville-Grand Coulee power which was not turned over to the Aluminum company, Mr. Ickes wrote, was instead made available to the Reynolds Metals Company for immediate production of an equivalent amount of aluminum, thus permitting two companies to manufacture the metal instead of merely one.

Latin-American Agents Lose Accounts for Axis Activities

OPD Washington Bureau
July 11, 1941

Efforts of the Federal government are proceeding rapidly to eliminate from all export business of this country Latin-American agents of United States exporting firms who are known to be sympathetic to the Axis, it was reported today by Nelson A. Rockefeller, Coordinator of Commercial and Cultural Relations Between the American Republics. Already over 50 percent of the United States export business handled by representatives who are also engaged in anti-American activities has been lost by these Nazi sympathizers, and arrangements are being made to take the remaining business away from such agents.

This has been made possible, Mr. Rockefeller explained, through the full cooperation of United States firms engaged in export trade with South and Central America and the Department of State and the Department of Commerce which have been supplying the Rockefeller office with a steady flow of information from their branch offices in the Latin-American Republics. Approximately 17,000 exporters are cooperating with Mr. Rockefeller, and with this help a continuous check is being kept on Nazi activities.

The Rockefeller office has obtained full information on about 5,000 Latin-American agents, and of this number some 1,000, or 20 percent, have been proved to be engaged in anti-American activities. The program has forced some agents out of business completely, while others have lost as high as fifteen United States accounts. There has also been considerable reorganization of firms handling United States accounts, as well as in branch offices where some managers and employees have been identified with the dissemination of Axis propaganda.

Acetic Acid, Derris Under Export Control

Under a proclamation effective July 23, the President has subjected to export control certain vegetable products, more industrial chemical and additional chemical specialties. The list, issued as Export Control Schedule No. 12 by the Administrator of Export Control and including their forms, conversions, and derivatives, follows:—

Coconut shells	....	9999*
Cube (timbo or barbasco) root, cube root powder, or cube root extract..	2209*	2209*
(Rotenone listed under Chemical Specialties)		
Derris (tuba) root, derris root powder, or derris root extract.....	2209*	2209*
(Rotenone listed under Chemical Specialties)		
Red squill.....	2209*	2209*
Pyrethrum or insect flowers	2209*	2209*
Chemical Specialties		
Coconut shell char in any form	8297*	8399*
Rotenone	8205.9*	8399*
(Derris root and cube root listed under drugs, herbs, leaves, and roots)		

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Freight Forwarders Control by I.C.C. Pushed

OPD Washington Bureau
July 10, 1941

Legislation placing freight forwarders completely under regulation by the Interstate Commerce Commission has been drafted by the house interstate and foreign commerce committee and will be submitted to the house for consideration as a substitute for the regulatory measure passed by the senate March 25. The substitute bill defines a freight forwarder as follows:—

Any person which holds itself out to the general public to transport property, for compensation, in interstate or foreign commerce, and which, in the ordinary or usual course of its undertaking, (A) assembles and consolidates or provides for assembling or consolidating shipments of such property, and performs or provides for the performance of break-bulk and distributing operations with respect to such consolidated shipments, and (B) assumes responsibility for the transportation of such property from point of receipt to point of destination, and (C) utilizes, for the

—Continued on page 54

Motor Route Selection By Shippers Proposed

OPD Washington Bureau
July 10, 1941

Shippers by motor carrier would be given the right to specify by what route goods they ship must be carried, where there are several possible available routes, under the terms of a bill (H. R. 5230) introduced in the house this week by Representative Bartel J. Jonkman, of Michigan. The measure would amend the interstate commerce act to require the motor carrier "subject to such reasonable exceptions and regulations" as might be prescribed by the Interstate Commerce Commission, to carry out the instructions of the shipper when they are presented in writing as to the route to be followed, and where there are more than one competing carrier operating over such route, the specific carrier which is named by the shipper must be used.

In case of a violation of the shipper's instructions, the carrier so violating orders would be liable to civil court action by both the shipper and the specified carrier, if such carrier was not used, for the full amount of the actual loss or injury sustained, plus a reasonable attorney's fee.

Paint Materials Situation

By Ernest T. Trigg

President, National Paint, Varnish and Lacquer Association

Excerpts from address, "The Paint Industry and National Defense," given July 8 at meeting of N.P.V.L.A. committees in Chicago

Our industry is already beset with problems of getting some raw materials and those problems will unquestionably magnify in the months and years ahead of us. Many members of the industry are learning through the problems we have already been called upon to face the great interdependence of one branch of industry upon another. Substitution of a certain material for some other immediately critical one may lead into a critical condition in the material used as a substitute and it may quickly become more difficult to obtain than the original.

For the benefit of this meeting and for the benefit of the industry generally through the representatives present we have gathered together the most current information with regard to the principal raw materials which information must be understood to be, and must be accepted as, the current situation subject to any changes may come any time, but which are not immediately foreseen.

I will summarize some of the high spots in the various communications we have on these subjects and am attaching to this statement a full copy of each of the statements for reference purposes.

White Lead

(From F. E. Wormser, secretary, Lead Industries Association)

By and large, lead is in the most satisfactory position from the commercial supply standpoint of all the nonferrous metals. This is a fortunate situation for paint manufacturers who are, of course, important users of white lead. It means that even though white lead is also feeling the impetus of improved business as shown by statistics of the Lead Industries Association, the paint industry can continue to depend upon white lead in increased amounts during the emergency.

Zinc Oxide

(From E. V. Peters, vice-president, St. Joseph Lead Company)

Our government has issued an order dealing with zinc oxide, effective July 1. Under the terms of this order all producers in this country will be required to contribute a certain percentage of their monthly production to a government pool of zinc oxide. For the month of July this percentage is 10 percent. That, of course, reduces our available free supply by a similar amount, and this balance will be distributed based on the producers commitment to each customer for defense and civilian purposes. The monthly contribution to the government pool will be called upon for emergency defense purposes and whatever may be left over from this pool will be subject to such rules and regulations as may be designed by OPACS for civilian purposes.

Consequently I believe you can appreciate how difficult it is for any producer to definitely commit himself to any customer as to what he can do in the next thirty or sixty days. The problem at present is one of supply. Producers are increasing their capacity as rapidly as possible and with the control that will be exercised over distribution, legitimate consumers engaged in essential businesses should be able to receive their of a lesser figure. Due to the fairly high price and the anxiety of producers to realize cash for their outlay for seed I believe the shipments the second quarter are abnormally heavy and I would not count upon a continuance of anything like this rate of imports balance of the year. Offer-

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No Destructive Rays

can pierce the shield of

TITANOX-L

● TITANOX-L (lead titanate) protects the binder or vehicle of coatings formulated for exterior use such as house paints, deck and porch enamels and structural paints. This is due to the pigment's high absorption of ultra-violet light—a power rated at almost 100 per cent.

● TITANOX-L has an extremely high refractive index (at least 2.7) and exceptional fineness. Its tinting strength and opacity are high. It improves the elasticity of coatings, making them responsive to dimensional changes.

TITANIUM PIGMENT CORPORATION

Sole Sales Agent

111 Broadway, New York, N. Y.; 104 South Michigan Avenue, Chicago, Illinois; National Lead Company (Pacific Coast Branch), 2240 24th Street, San Francisco, California.

TITANOX
THE WHEEL HORSE OF THE PAINT INDUSTRY
REG. U.S. PAT. OFF.

● *Cooperation in the solution of technical problems involving the use of TITANOX pigments is offered by our Paint Service Department.*

TITANOX
TRADE MARK

Current Market Quotations

July 11, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works.....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs.....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —
Acid, abietic, dms., o ..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs.....100 lbs. 3.68 - 3.93
56%, bbls.....100 lbs. 5.18 - 5.43
cbys., cs.....100 lbs. 5.68 - 5.93
70%, bbls.....100 lbs. 6.19 - 6.44
cbys., cs.....100 lbs. 6.69 - 6.94
80%, bbls.....100 lbs. 6.91 - 7.16
cbys., cs.....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 8.30 - 8.55
cbys. .....100 lbs. 8.80 - 9.05
tanks .....100 lbs. 7.50 Nom.
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 4.23 - 4.48
cbys., cs.....100 lbs. 4.73 - 4.98
36%, bbls.....100 lbs. 4.61 - 4.86
cbys., cs.....100 lbs. 5.11 - 5.36
60%, bbls.....100 lbs. 7.17 - 7.42
cbys., cs.....100 lbs. 7.67 - 7.92
80%, bbls.....100 lbs. 8.70 - 8.95
cbys., cs.....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .19 - .19½
Caproic, dms., works.....lb. .25 - .30
Caprylic, dms.....lb. .27 Nom.
Castor oil, split, dms.....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.
Cleve's, bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .16 - .16½
Cottonseed oil, dist., dms....lb. .13¾- .14¼
tanks .....lb. .13¼- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S....gal. .58 - —
l.c.l., same basis.....gal. .59 - .60
tanks, dlvd., East. U.S.gal. .54 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .64 - —
l.c.l., same basis....gal. .65 - .66
tanks, dlvd., East. U.S.gal. .60 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works.....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls.....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots.....lb. 1.25 - —
fib. dms., 25 lbs.....lb. 1.29 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.[illegible] - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10¼- .11¼
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .17¼- .18
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .16 - .16¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .11½- .12
tanks .....lb. .11 - —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. .....lb. 1.53 - —

Acid, pyrogallic, USP, cryst., cns..lb. 2.00 - —
resub., cns.....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split). tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .36 - —
USP, bbls.....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No price
tech., bbls., works.....lb. No price
Soybean oil, dist., dms.....lb. .17½- .17¾
Stearic, dist., double pressed, bgs., dlvd..lb. .13¾- .14¾
single pressed, bgs., dlvd..lb. .13¼- .14¼
triple pressed, bgs., dlvd...lb. .16½- .17½
saponif., double pressed, bgs., dlvd..lb. .14 - .15
triple pressed, bgs., dlvd..lb. .16¾- .17¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .09½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots.....lb. 1.15 - —
25-lb. lots.....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots.....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .62½- —
smaller quantities.....lb. .64 - —
kgs. .....lb. .64½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., bots.....oz.23.00 -28.00
vial .....vial 1.00 - —
cryst., bots.....oz.42.00 - —
vial .....vial 1.00 - —
Acrylonitrille, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bl.....lb. 1.55 - 1.60
3 bls.....lb. No prices
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .60 - .70
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.40 - 1.50
powd., dms., bbls.....lb. 1.45 - 1.55
import, cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .68 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagon, frt. alld.....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 2.33 - 2.95
Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .38½
l.c.l., dlvd., dms.....gal. .41½- .43½
tanks, E., dlvd.....gal. .30½- .32½
Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.
SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
10 bbls., E. works...gal. .37 - —

Alcohol—Benzophenone

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .35 - —
10 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
10 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
10 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 3c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
tech., dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
tanks, dlvd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
10 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
10 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same basis.....lb. .0760- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade.. dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 96%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Alstris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .13 - .13½
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.95 - —
100-lb. kgs.....lb. 3.97 - —
25-lb. fib. dms.....lb. 4.04 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07½- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .08¼- —
1 to 9 dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd..lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l.....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l.....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .87½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 6c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l.....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs.....lb. .34 - .35
kegs.....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP. gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars.....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars.....lb. 3.85 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .23
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs.....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l.....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l.....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
Paste.....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07¼- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns.....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .50
import., natural, bls.....lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.60
Angosturo bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l.....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .21 - .21½
Turkish, afloat, bgs.....lb. .35 - .36
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs., bots.lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .16 - .17
Arecoline hydrobromide, bots, cs. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls.....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns...lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars.....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l.....lb. .04½- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, -bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .16 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10¼
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .55 - —
5 to 25 lbs.....lb. .50 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb. .85 - 1.00

Benzoyl chloride, cbys.....lb. .23 - .38
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .48 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans.lb. .84 - —
dms. .....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 3.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb. 17.75 - 27.50
Hydrochloride, cns.....lb. 17.75 - 27.50
Sulphate, cns.....lb. 17.75 - 27.50
Berberis root, bls.....lb. .12 - .15
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .22 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.80 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.40 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
4, bbls., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
5, bbls., bgs., c.l., frt. alld, E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
8, bbls., bgs., c.l., frt. alld. E., lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
Bone black prices on Pacific Coast are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants.lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd..lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd..lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N.Y., lbs. .04½ Nom.
B, bbls., works or N. Y..lb. .05⅝ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works. ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.50 - —
high-grade, ex., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.65 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.25 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 2.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubes....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.50 - —
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.36.00 - —
import, bgs., c.i.f. ports..ton.36.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .06½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
tech., 99½%, gran., bgs., less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.

Benzoyl Chloride—Br. Sienna

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .80 - .85
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .13½ Nom.
2 bbls., same basis....lb. .12½ Nom.

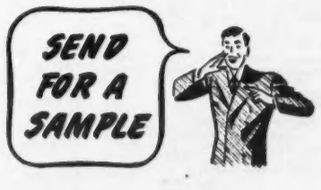
Powerful New Emulsifying Agents—

Five AMINOHYDROXY Aliphatics

Useful Tools for Chemical Synthesis

These five nitroparaffin derivatives, whose higher fatty acid soaps make up a new group of powerful emulsifying agents, are finding many important industrial applications. Self-polishing floor waxes of excellent water resistance are being made economically with 2-Amino-2-methyl-1-propanol. Cosmetic creams and lotions utilizing 2-Amino-2-methyl-1,3-propanediol as the emulsifying agent are outstanding in stability and in freedom from yellowing on storage. The aminohydroxy compounds are also being used in the formulation of textile specialties, polishes and cleaning compounds, soluble oils and in many other types of wax, resin and oil emulsions.

In addition to their use as emulsifying agents, these aminohydroxy aliphatics are of very definite interest in chemical synthesis since each contains an amino group and at least one hydroxyl group. They are attracting particular attention in the synthesis of photographic developers, resins, pharmaceuticals and dyestuffs.



PROPERTIES OF AMINOHYDROXY COMPOUNDS

	Molecular Weight	Melting Point, °C.	Boiling Point °C.	Specific Gravity 20°C./20°C.	pH of 0.1 M Aqueous Solutions at 20°C.	Solubility in water—grams per 100 cc. at 20°C.
2-Amino-1-butanol	89.14	—2	178 (at 760 mm. of Hg)	0.944	11.11	Completely miscible
2-Amino-2-methyl-1-propanol	89.14	25 to 29	165 (at 760 mm. of Hg)	0.936	11.27	Completely miscible
2-Amino-2-methyl-1,3-propanediol	105.14	109 to 111	151 to 152 (at 10 mm. of Hg)		10.78	250
2-Amino-2-ethyl-1,3-propanediol	119.16	31.5 to 38.5	152 to 153 (at 10 mm. of Hg)	1.099	10.62	Completely miscible
Tris (hydroxymethyl) aminomethane	121.14	171 to 172	219 to 220 (at 10 mm. of Hg)		10.36	69

COMMERCIAL SOLVENTS Corporation

17 EAST 42nd STREET, NEW YORK, N. Y.

PLANTS: TERRE HAUTE, IND. • PEORIA, ILL. • AGNEW, CALIF. • HARVEY, LA. • WESTWEGO, LA.

Brown, Sienna—Creosote Oil

Brown, sienna, Italian, group 3, bbls., same basis.....lb. .11½ Nom.
4, bbls., same basis.....lb. .10 Nom.
5, bbls., same basis.....lb. .10 Nom.
6, bbls., same basis.....lb. .09½ Nom.
7, bbls., same basis.....lb. .09¾ Nom.
8, bbls., same basis.....lb. .09 Nom.
9, bbls., same basis.....lb. .08½ Nom.
10, bbls., same basis.....lb. .08½ Nom.
11, bbls., same basis.....lb. .08 Nom.
12, bbls., same basis.....lb. .07½ Nom.
13, bbls., same basis.....lb. .07¼ Nom.
14, bbls., same basis.....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03¼ -
Italian, Group 1, bbls., t.o.b. N. Y. o r works..lb. .13¾ Nom.
2, bbls., same basis.....lb. .12½ Nom.
3, bbls., same basis.....lb. .12¾ Nom.
4, bbls., same basis.....lb. .10¾ nom.
5, bbls., same basis.....lb. .10¾ Nom.
6, bbls., same basis.....lb. .09¾ Nom.
7, bbls., same basis.....lb. .10 Nom.
8, bbls., same basis.....lb. .08½ Nom.
9, bbls., same basis.....lb. .08 Nom.
10, bbls., same basis.....lb. .07¼ Nom.
11, bbls., same basis.....lb. .06¼ Nom.
Umber, American, bbls., works, lb. .03¾ -
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - -
St. Louis.....lb. .05½ - -
l.c.l., ex car Los Angeles, lb. .03¾ -
ex whse. Portland, San Francisco, Seattle..lb. .05¾ -
ex whse. Los Angeles, lb. .06½ -
ex whse. Portland, San Francisco, Seattle..lb. .06 -
Boston .....lb. .05 -
Chicago, Indianapolis, New Orleans..lb. .03½ -
Kansas City.....lb. .06 -
Minneapolis .....lb. .0560 -
Pittsburgh .....lb. .05¼ -
Vandyke, regular, bbls., l.c.l., works..lb. .09 -
special .....lb. .12 -
Brucine, 100 oz., cns.....oz. .15 -
Sulphate, 100 oz., cns.....oz. .12 -
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .57 - .58
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bble.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06¼
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 -
l.c.l., frt. alld.....lb. .11½ -
tanks, frt. alld.....lb. .10 -
tankwagons, frt. alld...lb. .10½ -
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 -
dms., l.c.l., same terms.lb. .09½ -
tanks, same terms.....lb. .08 -
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½ -
l.c.l., works.....lb. .16½ - .17½
tanks, works.....lb. .14½ -
Carbinol, secondary, l.c.l., dms., works..lb. .60 -
Chloride, normal, dms., c.l., works..lb. .20 -
l.c.l. .....lb. .23 -
Crotonate, normal, 55-gal. dms., works..lb. .35 -
1-gal. cns., works.....lb. 1.00 -
5-gal. cns., works.....lb. .75 -
Ether (see under Ether).
Lactate, dms.....lb. .23½ -
Propionate, dms., dlvd.....lb. .16½ - .17
tanks .....lb. .15½ -
Stearate, dms.....lb. .32½ -
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 -
Butane, coml., 16-54°, tanks, group 3..gal. .02½ - .08

C

Cadmium, bromide, 25-lb. jars, 50 lbs., same basis.....lb. 1.65 -
single jars.....lb. 1.70 -
5-lb. bots.....lb. 1.84 -
Cyanide, 25-lb. bots., dlvd...lb. 3.00 -
25-lb. cks., dlvd.....lb. 3.50 -
Iodide, 5-lb. bots.....lb. 4.23 -
25-lb. cans.....lb. 4.09 -
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lbs. dms..lb. 2.60 -
25 lb. dms.....lb. 2.63 -
10 lb. cns.....lb. 2.65 -
2,000 lbs. or more, 100-lb. dms. lb. 2.65 -
25 lb. dms.....lb. 2.68 -
10 lbs. cns.....lb. 2.70 -
1,000 lbs. or more, 100-lb. dms., lb. 2.80 -
25 lb. dms.....lb. 2.73 -
10 lb. cns.....lb. 2.75 -
100 lbs. or more, 100-lb. dms.lb. 2.80 -
25 lb. dms.....lb. 2.83 -
10 lb. cns.....lb. 2.85 -
less than 100 lbs., 10-lb. cns., lb. 3.15 -
Citrated, bots.....lb 2.80 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .50 - .55
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 -
Arsenate, bgs., c.l.....lb. .06½ -
l.c.l. .....lb. .06¾ -
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 -
50 lbs., works.....lb. .67 -
25 lbs., works.....lb. .70 -
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 -
l.c.l., f.o.b. warehouse. 100 lbs. 4.85 -
Carbonate (see Chalk and Whiting).
Chloride, flake, bgs., 77-80%, c.l., dlvd., ton.20.50 -36.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 -
solid, dom., 73-75%, dms., c.l., dlvd., ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium, gluconate, USP, gran., 150-lb. bbls..lb. .50 -
dms. .....lb. .53 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fld. dms.... 1,000-lb. lots..lb. 1.10 -
smaller lots.....lb. 1.25 -
cns., 25 lbs.....lb. 1.50 -
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 -
fluffy, dms.....lb. 2.05 -
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635 -
l.c.l., bbls.....lb. .0705 -
Resinate, precip., bbls., 1 ton.lb. .13 -
smaller lots.....lb. .14 -
Stearate, precip., bbls., ctns., c.l..lb. .24 -
l.c.l., ton.....lb. .25 -
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 -
80%, CaS, bgs., c.l., works.ton.51.00 -
luminous, dom., tins, works, 100 lbs. 1.25 -
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 -
Camphor, natural, powd., cs...lb. .73 - .74
slabs, cs.....lb. .73 - .74
tablets, tins.....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 -
smaller lots, works....lb. .41 -
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 -
1,000-lb. lots.....lb. .67 -
smaller lots.....lb. .62 -
tablets, 2,000-lb. lots....lb. .73 -
1,000-lb. lots.....lb. .74 -
smaller lots.....lb. .75 -
Monobromate, bxs., kgs....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs.....lb. .05¾ - .05¾
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .85 - .90
Carbazole, 95%, dms., ton lots, works..lb. .70 -
smaller quantities, works..lb. .80 -
98%, dms., ton lots, works..lb. .75 -
smaller quantities, works..lb. .85 -
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 -
Dimethylethyl, l.c.l., works..lb. .60 -
Isobutyl, c.l., dms., frt. alld..lb. .225 -
l.c.l., same basis.....lb. .235 -
tanks, same basis.....lb. .215 -
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 -
l.c.l., same basis.....lb. .05¾ -
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½ -
l.c.l., frt. alld.....gal. .73 -
5 or 10-gal. dms., c.l., frt. alld..gal. .90 -
l.c.l., frt. alld. .....gal. 1.00 -
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 -
l.c.l., frt. alld.....gal. .80 -
5 or 10-gal. dms., c.l., frt., alld..gal. .97 -
l.c.l., frt. alld.....gal. 1.07 -
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 -
l.c.l., frt. alld.....gal. .93 -
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 -
l.c.l., frt. alld.....gal. 1.20 -
Zone 4, 52½-gal. dms., c.l.gal. .83 -
l.c.l. .....gal. .90 -
5 or 10-gal. dms., c.l....gal. 1.07 -
l.c.l. .....gal. 1.17 -

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.80 - 1.90
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 -
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .22½ - .23
5 tons, works.....lb. .22¾ - .23¼
smaller lots, works.....lb. .23 - .23½
80-100 mesh, works.....lb. .23 - .23½
5 tons, works.....lb. .23¼ - .23¾
smaller lots, works.....lb. .23½ - .24
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .21½ -
80-100 mesh, bgs., c.l., duty paid..lb. .22 -
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .20¼ - .21
No. 1, regular, bls.....lb. .19½ - .20
shortstick, bls.....lb. .17 - .17½
broken, bls.....lb. .15½ - .16
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13½ - .14
broken, extra, bls.....lb. .12¾ - .13¼
Saigon, No. 1, 4-10-4, bls....lb. .24½ - .25
10-6-2, bls.....lb. .26½ - .27
all thin, bls.....lb. .27½ - .28
Cassia fistula, baktes.....lb. .22 - .24
Castoreum, nat., cns.....lb. 12.50 -15.00
synth., bots.....lb. 19.00 -

Castor beans, Brazilian, ship't, c.&f., N. Y..long ton. 72.50 -
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton. 15.00 -
Import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .84 - .86
Indian .....lb. .50 - .51
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gras., bgs., c.l., works..lb. .30 -
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 -
1,000-4,900 lbs., frt. alld.lb. .46 -
100-900 lbs., frt. alld....lb. .47 -
smaller pkgs., works.....lb. .48 -
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 -
1,000-4,900 lbs., frt. alld.lb. .42 -
100-900 lbs., frt. alld....lb. .43 -
smaller pkgs., works.....lb. .44 -
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 -
1,000-4,900 lbs., frt. alld.lb. .44 -
100-900 lbs., frt. alld....lb. .45 -
smaller pkgs., works.....lb. .46 -
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 -
1,000-4,900 lbs., frt. alld.lb. .46 -
100-900 lbs., frt. alld....lb. .47 -
smaller pkgs., works.....lb. .48 -
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .41 -
1,000-4,900 lbs., frt. alld.lb. .42 -
100-900 lbs., frt. alld....lb. .43 -
smaller pkgs., works.....lb. .44 -
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 -
1,000-4,900 lbs., frt. alld.lb. .44 -
100-900 lbs., frt. alld....lb. .45 -
smaller pkgs., works.....lb. .46 -
Triacetate, flake, frt. alld....lb. .30 -
Cerium hydrate, dms., works..lb. .60 -
oxalate, USP, bbls., works..lb. .35 -
kgs., works.....lb. .37 -
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾ -
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼ -
Chamomile flowers, Hungarian, genuine, cs...lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.00 -
Colo. .....ton.32.00 -
Conn., Me., Mass., N. H., R. I., Vt..ton.35.00 -
Ill. (except river point), Minn., Neb., Wis.ton.27.00 -
Indiana .....ton.31.00 -
Ill. (river points), Mo., Okla., Tex., (except El Paso), la.....ton.25.00 -
Kansas, El Paso, Tex. ton.26.00 -
Michigan .....ton.32.00 -
Ohio .....ton.32.00 -
Penn .....ton.34.00 -
Utah .....ton.36.00 -
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240 -
l.c.l., bbls., works.....lb. .0265 -
tanks, works.....lb. .0190 -
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 -
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 -
200 mesh, bgs., c.l., works..ton. 8.50 -
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 -
paper bgs., c.l., works., ton.12.50 -
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 -
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 -
500 lbs.....lb. .93 -
100 lbs.....lb. .95 -
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 -
100 lbs., ctns.....lb. .35 -
smaller lots.....lb. .38 -
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¼ -
contracts, dlvd., N. Y....lb. .05¼ -
l.c.l., dlvd., N. Y.....lb. .07¼ -
tanks, single units, works, frt. equald..100 lbs. 1.75 -
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 -
2, works, frt. equald., 100 lbs. 2.40 -
1, works, frt., equald., 100 lbs. 2.90 -
Chloracetaphenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 -
150-lb. dms.....lb. .22 -
50-lb. dms.....lb. .23 -
USP, 650-lb. dms.....lb. .30 -
100-lb. dms.....lb. .32 -
50-lb. dms.....lb. .33 -
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 -
100-lb. cyls., frt. alld.....lb. .85 -
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 -
Chrome acetate, powd., 24%, bbls., lb. .21½ -
solut., 8½%, cs., bbls.....lb. No price
Cake, bulk, c.l., works.....ton.16.00 -
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 -
powd., dms., 100 lbs.....lb. .45 -
scale, dms., 100 lbs.....lb. .45 -
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 -
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21

Cinchonidine, small crys., cns., 100 ozs..oz. .89 -
Sulphate, N.F., cns., 100 ozs.oz. .53 -

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 -
large cryst., cns., 100 ozs..oz. .66 -
Sulphate, N.F., cns., 100 ozs..oz. .42 -

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 -
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.10 - 1.20
Cinnamon, Ceylon, 2 bls.....lb. .23½ - .24
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Cloves, amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .19½ - .20
Zanzibar .....lb. .16½ - .17
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½ - .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½ - .10
water-gas, crude, dms., c.l., works..dm. 7.50 -
l.c.l., works.....dm. 8.25 -
refd., dms., c.l., works...dm. 8.00 -
l.c.l., works.....dm. 8.75 -
Cobalt acetate, bbls., kgs., dlvd. lb. .80½ -
Carbonate, powd., bgs., works. lb. 1.58 -
Chloride, kgs., works.....lb. .85 -
Hydrate, bbls.....lb. 1.98 -
Linoleate, paste, 5%, dms....lb. .31 -
solid, 8½%, bbls.....lb. .33 -
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 -
Resinate, fused A, bbls.....lb. .13½ -
1 %, cobalt oxide, bbls....lb. .13 -
2 %, cobalt oxide, bbls....lb. .14 -
3½%, cobalt oxide, bbls....lb. .17½ -
precip., dms., dlvd.....lb. .34 -
Sulphate, dms.....lb. .65 -
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 -
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .22¾ - .24
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz. 11.70 -
Hydrochloride, cns., 100 ozs.oz. 10.50 -
Phosphate, cns., 100 ozs.....oz. 9.00 -
Sulphate, cns., 100 ozs.....oz. 9.50 -
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz. 36.00 -
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 -
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 -
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cs.....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 -
smaller containers, dlvd..lb. .26 -
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .19½ -
cryst. .....lb. .13½ - .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 -
Oxide, black, bbls., tons, works, lb. .19½ - .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 -
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 -
6-15 bbls., same basis, 100 lbs. 5.00 -
1-5 bbls., same basis, 100 lbs. 5.25 -
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.60 -
l.c.l., dealers.....100 lbs. 9.60 -
Copperas, cryst., gran., bgs., c.l., works.....ton.17.00 -
bbls., c.l., works.....ton.20.00 -
l.c.l., 25 or over, works, 100 lbs. 1.55 -
1-4, works.....100 lbs. 2.00 -
bulk, c.l., works.....ton.14.00 -
Copra, Coast, ship.....lb. .04½ Nom.
Coriander, bgs.....lb. .10¾ -
bleached, bgs.....lb. .12 - 12½
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 -
slabs, bbls., c.l.....100 lbs. 3.41 -
solid, bbls., c.l.....100 lbs. 3.53 -
Syrup, 42°, bbls., c.l..100 lbs. 3.52 -
43°, bbls., c.l.....100 lbs. 3.57 -
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 -
gran., powd., dms., 50 lbs. or more..lb. 2.24 -
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.00 -
meal, 8%, Southeast, mills..ton.31.00 -31.50
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't lb .52½ -
smaller lots, bbls.....lb. .53 -
kgs. .....lb. .53½ -
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 -
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13½ - .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 -
tanks, works.....gal. .18 - .18½

Cresol, USP, dms., c.l., works..lb. .10¼- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
5 and 10-gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls c.l., dms.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½- .19
Cyprus, bgs.....lb. .19½- .20
Indian, bgs.....lb. .16¼- .16¾
Persian, bgs.....lb. .17½- .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 48%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .70 - .75
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08¼- .08¾
neutral, dom., bbls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08½- —
l.c.l., bgs. .....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .28 - —
Diethyl phthalate, dms., c.l., frt. alld..lb. .20 - —
l.c.l. .....lb. .20½- —
tanks .....lb. .19 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08¾- .08¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .18½- —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .43 - .45
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.40.00 - —
Venezuelan .....ton.43.00 - —
Doggrass root, imp. cut, NF, bls. lb. .86 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.95

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 6.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 12, cns..lb.12.35 - —
cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .50 - .60
180 Fast red VR.....lb. 1.50 - 1.60

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1881 1941

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Dyes—Gum, Copal

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
222 Cloth red 2B.....lb. .60 - .80
250 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
320 Direct cast scarlet...lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.80
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
485 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
806 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .28 - .63
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
268 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
91 Yellow OB.....lb. 1.40 - —

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
804 Nigrosin.....lb. .38 - .44
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
900 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .35 - —
Brown:—
254 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
798 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
668 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. .78 - .81
imported .....lb. .72 - .75
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.30
Ephedra. bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
100 ozs.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .65 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.85 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.10 - 2.20
Esenne, bots.....oz.50.00 -72.00
Salicylate, bots.....oz.42.00 -45.00
Sulphate, bots.....oz.42.00 -45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt alld..lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt., alld.....lb. .07½- —
95-98%, dms., c.l., frt. alld..lb. .08¾- —
l.c.l., frt. alld.....lb. .09¼- —
tanks, frt. alld.....lb. .07¾- —
NF, 390-lb. dms.....lb. .09 - —
cns., 35 lbs.....lb. .13 - .14
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Benzoate, bots.....lb. 1.00 - 1.20
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.80
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oenanthate, dms.....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .25 - —
Oxyhydrate, bots.....gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks....lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, std., cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .12½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works.....lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .90
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 2.00 - 2.10
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16¼
Indian, bgs.....lb. .09 - .09½
French, bgs.....lb. No stocks
German, large, bgs.....lb. No stocks
Roumanian, bgs.....lb. .11½- .12
Fenugreek, seed, bgs.....ton. .06¾- .07¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.60 & .10
meal, bgs., f.o.b. Balto.....ton.65.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts..... unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.i.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines., net ton.30.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines.net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.21.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works. lb. .0550- .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., wcrks, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .30 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
extract, bbls., No. 1.....lb. .15 - —
No. 2..lb. .14 - —
No. 3..lb. .11½- —

G

G salt bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .10 Nom.
plantation, cases .....lb. No stocks.
cubes, Singapore, cases..lb. .11 Nom.
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07½- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .07¾- .05⅞
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05¾- .06
natural, 18-55, tanks....gal. .03¾- .04
26-70, tanks.....gal. .03¼- .03¾
Gelatine, silver, cs.....lb. .70 - .77
Geisemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .62 - .65
grd., bbls., bxs.....lb. .64 - .66
powd., bbls., bxs.....lb. .65 - .67
Geraniol, 92-96%, cns., dms...lb. 1.41 - 2.05
other grades, cns., dms....lb. 1.25 - 1.85
assn. cns., dms.....lb. .65 - 1.60
Ginger, African, No. 1, bgs...lb. .20 - .20½
Cochin, lemon, nearby, bgs.lb. .18½- .19
Jamaica, bold, bgs.....lb. .24 - .25
medium, bgs.....lb. .22 - .22½
grinding, bright, bgs...lb. .21 - .21½
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.28
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bgs .....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .16 Nom.
l.c.l., dlvd.....lb. .16½ Nom.
36/58 bgs., c.l., dlvd.....lb. .15½ Nom.
l.c.l., dlvd.....lb. .16 Nom.
58/82 bgs., c.l., dlvd.....lb. .17 Nom.
l.c.l., dlvd.....lb. .17½ Nom.
82/108 millipose, bgs., c.l., dlvd..lb. .17½ Nom.
l.c.l., dlvd.....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. .18 Nom.
l.c.l., same basis.....lb. .18½ Nom.
60/164, bgs., c.l., same basis, lb. .18½ Nom.
l.c.l., same basis.....lb. .20 Nom.
87/122, bgs., c.l., same basis, lb. .20½ Nom.
l.c.l., same basis.....lb. .21 Nom.
75/222, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .24½ Nom.
68/251, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .25½ Nom.
92/283, bgs., c.l., same basis, lb. .25½ Nom.
l.c.l., same basis.....lb. .26½ Nom.
162/315, bgs., c.l., same basis..lb. .26½ Nom.
l.c.l., same basis.....lb. .27 Nom.
113/347, bgs., c.l., same basis..lb. .27 Nom.
125/379, bgs., c.l., same basis..lb. .28 Nom.
l.c.l., same basis.....lb. .29 Nom.
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .16½- .17
dms., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .14¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .13¾- —
Glycerin, saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .12½- —
l.c.l., same basis..lb. .13¼- —
tanks .....lb. .12 - —
refiners, dms., returnable, tanks, dlvd..lb. .11½ Nom.
soapiye, basis 80%, dms., returnable, tanks, dlvd..lb. .10½ Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .20 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, both..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .20 - .21
Goldenseal, root, bls.....lb. 3.00 - 3.25
powd., bxs.....lb. 3.25 - 3.50
Grains of paradise, bgs.....lb. .37 - .38
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house.....lb. .07¾ Nom.
white .....lb. .08¼ Nom.
yellow .....lb. .07¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07¼- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .18¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-72%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms..... .lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.28
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .18 - .19
white, sorts, 1, bgs...lb. .35 - .36
powd., bbls.....lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 25% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —

Gum, copal, Congo, 8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
25, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., same basis..lb. .08⅞- —
unscraped, bgs., same basis..lb. .07⅞- —
chips, bgs., same basis...lb. .06½- —
dust, bgs., same basis....lb. .06¼- —
nubs and chips, bgs., same basis..lb. .06½- —
black, bold, scraped, bgs., same basis..lb. .10¼- —
unscraped, bgs., same basis..lb. .06⅞- —
nubs and chips, bgs., same basis..lb. .06⅝- —
Hiroe, Macassar, pale bold, bgs., same basis..lb. .12⅞- —
chips, bgs., same basis..lb. .07¾- —
dust, bgs., same basis..lb. .06¼- —
nubs., bgs., same basis..lb. .10¼- —
Singapore, Itasak, bold, bgs., same basis..lb. .17⅝- —
chips, bgs., same basis..lb. .10½- —
dust, bgs., same basis..lb. .06¼- —
nubs, bgs., same basis..lb. .14⅞- —
Manila, Boeas, amber and dark, bskts., same basis..lb. .14 - —
light, bsks., same basis.lb. .15⅝- —
Loba A, bskts., same basis, lb. .12⅞- —
B, bskts., same basis...lb. .12¼- —
C, bskts., same basis...lb. .11⅞- —
CNE, bskts., same basis, lb. .09 - —
D, bskts., same basis...lb. .11¼- —
DK, bskts., same basis.lb. .08½- —
dust, bskts., same basis.lb. .07 - —

Gum, copal, Manila, Sambas and white split chips, bskts., same basis..lb. .15⅝- —
Singapore, dust, bskts., same basis..lb. .07 - —
Spirit-soluble, CBB, bskts., same basis..lb. .11¾- —
DBB, bskts., same basis, lb. .10½- —
MA, bskts., same basis.lb. .09 - —
MB, bskts., same basis.lb. .08½- —
WS, bskts., same basis.lb. .10½- —
A/D, cs., same basis..lb. .13⅜- —
Philippine, Manila, amber sorts, bskts., same basis, lb. .09¼- —
chips, pale, bskts., same basis..lb. .11¾- —
pale, small, bskts., same basis..lb. .10 - —
extra pale, sorts, bskts., same basis..lb. .11¾- —
nubs, bskts., same basis..lb. .13¼- —
scraped, bskts., same basis, lb. .14¾- —
seeds and dust, bskts., same basis..lb. .08 - —
Pontianak, bold, genuine bgs., same basis..lb. .17⅝- —
mixed, bgs., same basis..lb. .16½- —
split, bgs., same basis....lb. .16⅝- —
chips, bgs., same basis..lb. .11¼- —
nubs, bgs., same basis...lb. .15½- —
Dammar, Batavia, A. cs., same basis as copal..lb. .24¼- —
A/C, cs., same basis.....lb. .18⅞- —
A/E, cs., same basis.....lb. .16¼- —
B, cs., same basis.....lb. .22⅜- —
C, cs., same basis.....lb. .18¼- —
D, cs., same basis.....lb. .16¼- —
dust, cs., same basis.....lb. .08⅝- —
E, cs., same basis.....lb. .12¼- —
F, cs., same basis.....lb. .08¾- —
Singapore, 1, cs., same basis, lb. .18⅞- —
2, cs., same basis.....lb. .14⅞- —
3, cs., same basis.....lb. .08¼- —
chips, cs., same basis....lb. .14 - —
dust, cs., same basis.....lb. .08⅝- —
seeds, cs., same basis....lb. .11⅞- —
Elemi, cns., same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06½- —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .07 - —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06¾- —

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).

Gum, Karaya, bbls., bxs., dms., lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .35 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls. .....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yucca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom

Gum, Copal—Hydrogen Perox.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13½- —
No. 2.....lb. .12½- —
No. 3.....lb. .11½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3.. gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.65 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochcloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .19½

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ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

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Hydroquinone—Manganese Iod.

Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns. lb. 2.50 - 2.75
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots. oz.21.25 -27.50
Hydrobromide, bots. oz.21.25 -27.50
Sulphate, bots. oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1 lb. .40 - —
No. 2 lb. .32 - —
extract, bbls, No. 1 lb. .23 - —
No. 2 lb. .18 - —

I

Iceland moss, bls. lb. .25 - .27
Ichthyol bots. lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs. lb. 2.14 - 2.20
synth., liq., bbls. lb. .16½ - .19
powd., bbls. lb. .74½ - .85
Indium metal. oz.12.50 - —
Indol, CP, bots. lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs. lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island. lb. 1.35 - 1.44
resubl., bots., 5 lbs. lb. 2.10 - —
jars, 50 lbs. lb. 2.00 - —
Iodoform, dms., 100 lbs. lb. 3.95 - 4.10
jars lb. 4.20 - —
Ionone, alpha, bots. lb. 2.75 - 2.80
beta, bots. lb. 3.90 - 3.95
Methyl, alpha, 100%, cns. lb. 4.35 - —
Ipecac root, bgs. lb. 1.80 - 1.90
powd., bxs. lb. 1.85 - 1.90
Irish moss, ordinary, bls. lb. .25 - .28
powd., 80-90 mesh, bbls. lb. .35 - .38
prime bleached, bls. lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys. lb. .15 - —
djns., 50 lbs. lb. .16 - —
liquor, bbls., c.l., dlvd. lb. .08 - —
l.c.l., dlvd. lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms. 100 lbs. 4.65 - 6.25
150-lb. dms. 100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald. lb. .05 - .06
kegs, works, frt. alld. or equald. lb. .07½ - .08
liquor, cbys., wks., frt. alld. or equald. lb. .05 - .06
USP X, cryst., bbls. lb. .07½ - —
kegs lb. .08½ - —
solut. cbys., works, frt. alld. or equald. lb. .06½ - .07
djns. lb. .07½ - —
Citrate, USP VIII, pearls. lb. .72 - .75
powd., cns. lb. .84 - .87
scales, cns. lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots. lb. 3.15 - —
smaller lots. lb. 3.25 - —
cns., 25 lbs. lb. 3.37 - —
Hypophosphite, bbls., dms. lb. 1.50 - 1.60
Iodide, bots. lb. 3.18 - 3.32
syrup, cbys. lb. .39 - .40
bots. lb. .53 - —
Nitrate, red, tech., dms. lb. .03½ - .04
Oxalate, powd., kgs. lb. .47 - .49
cns. lb. .52 - —
scales, cns. lb. .82 - .85
Oxide, black, bbls., works. lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs. lb. .54 - —
25 lbs. lb. .57 - —
scale, cns., 50 lbs. lb. .59 - —
25 lbs. lb. .62 - —
Pyrophosphate, pearls, cns. lb. .59 - .62
scales, cns. lb. .64 - .67
Reduced, 90% cs. lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls. lb. .04½ - —
dms., 100 lbs. lb. .06½ - —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms. lb. .32 - —
200-lb. lots, dms. lb. .35 - —
pearls, 2,000-lb. lots, dms. lb. .32 - —
200-lb. lots, dms. lb. .35 - —
scales, 2,000-lb. lots, dms. lb. .44 - —
200-lb. lots, dms. lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls. lb. .23½ - —
dms., kgs. lb. .25½ - —
Iron-soda oxalate, bbls. lb. .23½ - —
dms. lb. .25½ - .26½
Isobutyl acetate, 55-gal. dms., works. lb.0860 - —
tanks, works. lb.0760 - —
Propionate, dms., works. lb. .102 - —
Isopentane, 50-gal. dms., single, works. gal. .45 - —
10-gal. dms., single, works. gal. .55 - —
Isophorone, dms., works. lb. .26 - —
Isopropylamine, dms., works. lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld. lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½ - —
l.c.l., E. of Rockies, frt. alld. lb. .09 - —
tanks, E. of Rockies, frt. alld. lb. .07½ - —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld. gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld. gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls. lb. .11 - .12
Jalap root, NF, bls. lb. .34 - .45
powd., bbls., bxs. lb. .39 - .50
resin, lump, 100-lbs. lots, cns. lb. 5.85 - —
powd., bxs. lb. 5.90 - —
Juniper berries, bgs. lb. Nominal

K

Kamala, tins. lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls. lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck. gal. .11½ - —
Gulf ports, p.w., bulk. gal. .07½ - —
Louisiana - Arkansas, 41-43 w.w., blk. gal. .04¾ - .04¾
Oklahoma-Texas, 41-43 w.w., tanks. gal. .04¾ - .04¾
Pennsylvania, 45 w.w., tanks, gal. .05½ - .06
Kola nuts, bgs. lb. .08 - .09

L

Lady slipper root, bls. lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs. 100 lbs.11.00 -11.25
Middlewestern, trcs. 100 lbs.10.65 -10.75
Neutral, trcs. 100 lbs.10.75 -11.00
Western, choice, trcs. 100 lbs.10.75 -10.85
Compound, trcs. 100 lbs.14.25 -14.50
Larkspur seed, bgs. lb. 2.10 Nom.
Laurel berries, bls. lb. .25 - .26
Leaves, Greek, bls. lb. .48 - .49
Portuguese, bls. lb. .27 - .28
Turkish, bls. lb. .58 - .60
Lavender flowers, ordinary, bls. lb. .60 - .65
medium, bls. lb. .80 - .85
select, bls. lb. .90 - .95
Lead acetate, white, broken, bbls., cryst., bbls. lb. .12 - .12½
gran., bbls. lb. .12¾ - .13¼
powd., bbls. lb. .12¾ - .13¼
Arsenate, bgs., c.l. lb. .09 - .09¾
l.c.l., bgs. lb. .09½ - .10¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E. lb. .06¾ - —
Lead, blue, basic sulphate, bbls., l.c.l., dlvd. E. lb. .07 - —
dlvd., Aris., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb. .07 - —
dlvd., Aris., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb. .07½ - —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs. lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars lb. 2.69 - —
Linoleate, pale, precip., dms. lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works. lb. .10 - —
5-lb. cont., f.o.b. works. lb. .22 - —
Nitrate, bbls. lb. .11 - .14
Peroxide, powd., bbls., tech. lb. .23 - —
Oleate bbls. lb. .18½ - .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Aris., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. .0860- —
Other points. lb. .0885- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash. lb. .09 - —
Aris., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .09½ - —
Colo., Mont., N. Mex., Wyo. lb. .09¾ - —
Other points. lb. .08¾ - —
smaller lots, Ala., etc. lb. .09¼ - —
Aris., etc. lb. .10 - —
Colo., etc. lb. .09¾ - —
other points. lb. .09¼ - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .0885- —
other points. lb. .0860- —
l.c.l., 5 tons, dlvd., Ala., etc. lb. .08¼ - —
Aris., etc. lb. .09¾ - —
Colo., etc. lb. .07½ - —
other points. lb. .09 - —
smaller lots, dlvd. Ala., lb. .09¾ - —
Aris., etc. lb. .10¼ - —
Colo., etc. lb. .10 - —
other points. lb. .09½ - —
98% Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc. lb. .0910- —
other points. lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc. lb. .09½ - —
Aris., etc. lb. .10 - —
Colo., etc. lb. .09¾ - —
other points. lb. .09¼ - —
smaller lots, dlvd. Ala., etc. lb. .10 - —
Aris., etc. lb. .10½ - —
Colo., etc. lb. .10¼ - —
other points. lb. .09¾ - —
in oil, 95% min., 100-lb. kgs., lb. .12½ - —
Resinate, fused, 15%, bbls. lb. .09½ - —
pale, bbls. lb. .11½ - —
Silicate, bgs., 5 tons. lb. 6.59 - —
smaller lots. lb. 7.01 - —
Stearate, bbls. lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l. (20 tons), works, frt. alld. lb. .10¼ - —
l.c.l., 5 tons, one delivery, E., frt. alld. lb. .10½ - —
Pac. Cst., ex whse. lb. .10½ - —
smaller lots, E. frt. alld. lb. .10¾ - —
Pac. Cst., ex whse. lb. .10¾ - —
White, dry, basic carbonate, bbls., c.l., dlvd. Aris., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo. lb. .07¾ - —
other points. lb. .07½ - —
l.c.l. dlvd. Aris., etc. lb. .08 - —
other points. lb. .07¾ - —
basic sulphate, bbls., c.l., dlvd. Aris., etc. lb. .07 - —
other points. lb. .06¾ - —
l.c.l., dlvd. Aris., etc. lb. .07½ - —
other points. lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .12¼ - —
dealers lb. .11¼ - —
painters lb. .12¼ - —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi. lb. 2.50 - —
edible, grade 1, dms., c.l., same basis. lb. .45 - —
l.c.l., same basis. lb. .47½ - .65
grades 2 or 3, dom., c.l., same basis. lb. .47½ - —
l.c.l., same basis. lb. .50 - .67½
Lecithin, edible, grade 4, dms., c.l., same basis. lb. .50 - —
l.c.l., same basis. lb. .52½ - .70
purified, cs., dms., c.l., same basis. lb. .65 - —
l.c.l., same basis. lb. .67½ - .85
tech., grade 1, dms., c.l., same basis. lb. .35 - —
l.c.l., same basis. lb. .37½ - .55
grade 2 or 3, dms., c.l., same basis. lb. .37½ - —
l.c.l., same basis. lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls. lb. .20 - .25
Licorice extract, mass, cs. lb. No prices
powd., bbls. lb. No prices
root, cuttings, bls. lb. .28 Nom.
powd., bbls., bxs. lb. .33 Nom.
select, bdls., cs. lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass. ton. 8.00 - —
Bellefonte, Pa. ton. 7.00 - —
Berkley, W. Va. ton. 7.00 - —
Carey, Ohio. ton. 7.00 - —
Cedar Hollow, Pa. ton. 8.50 - —
Crab Orchard, Tenn. ton. 6.25 - —
Eagle Mountain, Va. ton. 7.00 - —
Farnams, Mass. ton. 8.00 - —
Gibsonburg, Ohio. ton. 7.00 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala. ton. 6.25 - —
Knoxville, Tenn. ton. 6.25 - —
Limedale, Ark. ton. 7.00 - —
Longview, Ala. ton. 6.25 - —
Manistique, Mich. ton. 8.00 - —
Martinsburg, W. Va. ton. 7.00 - —
Menominee, Mich. ton. 8.00 - —
Mitchell, Ind. ton. 6.50 - —
Newala, Ala. ton. 6.25 - —
Rincon, Cal. ton.13.00 - —
Ripplemead, Va. ton. 7.00 - —
Riverton, Va. ton. 7.00 - —
Rockland, Me. ton. 8.00 - —
San Francisco, Cal. ton.13.00 - —
Scioto, Ohio. ton. 6.50 - —
Springfield, Mo. ton. 7.00 - —
Woodville, Ohio. ton. 7.00 - —
York, Pa. ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass. ton. 8.50 - —
Bellefonte, Pa. ton. 8.50 - —
Berkley, W. Va. ton. 8.50 - —
Buffalo, N. Y. ton.10.00 - —
Carey, Ohio. ton. 8.50 - —
Cedar Hollow, Pa. ton. 8.00 - —
Crab Orchard, Tenn. ton. 9.00 - —
Eagle Mountain, Va. ton. 8.50 - —
Farnams, Mass. ton. 8.50 - —
Gibsonburg, Ohio. ton. 8.50 - —
Hannibal, Mo. ton. 8.50 - —
Keystone, Ala. ton. 9.00 - —
Knoxville, Tenn. ton. 9.00 - —
Le Roy, Minn. ton.10.00 - —
Lime Crest, N. J. ton. 8.50 - —
Limedale, Ark. ton. 9.00 - —
Longview, Ala. ton. 9.00 - —
Louisville, Ky. ton.14.50 - —
Manistique, Mich. ton. 9.00 - —
Marblehead, Ohio. ton. 9.50 - —
Martinsburg, W. Va. ton. 8.50 - —
Mitchell, Ind. ton. 9.00 - —
Newala, Ala. ton. 9.00 - —
Potoskey, Mich. ton. 9.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. D. ton.12.00 - —
Ripplemead, Va. ton. 9.00 - —
Rockland, Me. ton. 9.00 - —
San Francisco, Cal. ton.16.00 - —
Springfield, Mo. ton. 9.00 - —
Woodville, Ohio. ton. 8.50 - —
York, Pa. ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass. ton. 9.50 - —
Bellefonte, Pa. ton. 9.00 - —
Carey, Ohio. ton.11.00 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio. ton.11.00 - —
Lime Crest, N. J. ton. 8.50 - —
Marblehead, Ohio. ton.11.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio. ton.10.00 - —
Woodville, Ohio. ton.11.00 - —
York, Pa. ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex. lb. .07½ - .08½
dms., same basis. lb. .10½ - —
400 lbs., or more, bgs., same basis. lb. .07¾ - .08¾
dms., same basis. lb. .11 - —
less than 400 lbs., same basis. lb. .08½ - .09½
dms., same basis. lb. .12 - —
Solution, Zone 1, dms., consumers. gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½ - —
30-50, dms. gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½ - —
30-50 dms. gal. .10½ - .14½
Zone 4, tanks, dealers, wks. gal. .08 - —
dms., wks., except Cal. gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½ - —
dms. gal. .12 - —
Zone 6, tanks, dealers. gal. .07½ - —
30-50 dms. gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns. lb. 3.75 - 4.00
Linalyl acetate, 70%, cns. lb. 2.75 - 3.50
90%, cns. lb. 3.75 - 4.45
92%, cns. lb. 4.25 - 5.00
Linden flowers, with leaves, bls. lb. .50 - .55
without leaves, bls. lb. .55 Nom.
Linseed, meal, bgs. ton.27.00 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash. lb. .0760- —
Other points. lb. .0735- —
Litharge, com'l powd., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. lb. .08 - —
Aris., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .08¼ - —
Colo., Mont., N. Mex., Wyo. lb. .08¼ - —
Other points. lb. .07¾ - —
smaller lots, dlvd. Ala., lb. .08¼ - —
Aris., etc. lb. .08¾ - —
Colo., etc. lb. .08¼ - —
other points. lb. .08¼ - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd. lb. 1.90 - —
50 lbs., works. lb. 1.93 - —
25 lbs., works. lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs. lb. 1.30 - —
Chloride, 25-lb. jars. lb. 1.65 - 1.70
Citrate, 250-lb. bbls. lb. 1.40 - —
25-lb. dms. lb. 1.45 - —
100-lb. kgs. lb. 1.40 - —
Fluoride, bbls. lb. 2.10 - 2.25
Iodide, 5-lb. bots. lb. 5.20 - —
25-lb. jars. lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons). lb. .05¼ - —
smaller lots. lb. .05½ - —
bbls., c.l. (20 tons). lb. .05½ - —
smaller lots. lb. .05¾ - —
Ordinary, bgs., c.l. (20 tons). lb. .0385- —
smaller lots. lb. .0410- —
bbls., c.l. (20 tons). lb. .0410- —
smaller lots. lb. .0435- —
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ½c. higher ex whse. Pac. Cst.
Liverwort, leaves, bls. lb. .60 - .65
Lobelia, herb, bls. lb. .23 - .25
Seed, bgs. lb. .35 - .36
Logwood, cryst., bgs., No. 1. lb. .26 - —
No. 2. lb. .24 - —
extract, bbls., No. 1. lb. .13 - —
No. 2. lb. .12 - —
No. 3. lb. .11½ - —
No. 4. lb. .09 - —
solid, bxs., No. 1. lb. .22 - —
No. 2. lb. .20 - —
Lovage root, dms., bls. lb. .45 .50
imported, bls. lb. .45 Nom.
Lupulin, N.E., tins. lb. 1.65 - 1.70
Lycopodium, cs. lb. 4.50 - 4.75

M

Mace, Banda, cs. lb. .47 - .48
Batavia, cs. lb. .30 - .31
Siauw, cs. lb. .37 - .38
West Indian, cs. lb. .51 - .52
Madder, Dutch, bbls. lb. .22 - .25
Magnesia, arsenate, dms. lb. .18 - .20
Calcined, tech., USP, bbls., wks. lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs. lb. .06¼ - —
bbls. lb. .07½ - —
kgs. lb. .08¾ - —
l.c.l., bgs. lb. .07¼ - —
bbls. lb. .08½ - —
kgs. lb. .09¾ - —
Zone 2, c.l., bgs. lb. .06¼ - —
bbls. lb. .07½ - —
kgs. lb. .08¾ - —
l.c.l., bgs. lb. .07 - —
bbls. lb. .08¼ - —
kgs. lb. .09¼ - —
USP, Zone 1, c.l., bgs. lb. .08 - —
bbls. lb. .08½ - —
kgs. lb. .09¾ - —
l.c.l., bgs. lb. .09 - —
bbls. lb. .09½ - —
kgs. lb. .10¾ - —
Zone 2, c.l., bgs. lb. .08 - —
bbls. lb. .08½ - —
kgs. lb. .09¾ - —
l.c.l., bgs. lb. .08¾ - —
bbls. lb. .09½ - —
kgs. lb. .10½ - —
Other points. lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd. lb. .13 - —
flake, dom., bbls., wks., c.l., tons. 82.00 - —
l.c.l., bbls., wks. ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls. lb. .25 - —
25-lb. dms. lb. .30 - —
100-lb. kgs. lb. .26 - —
Hypophosphite, cns., 100 lbs. lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls. lb. .33 Nom.
Peroxide, 15%, dms., works. lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls. lb. .11 - .11¼
Stearate, bbls., ctns., 1 ton. lb. .28 - —
smaller lots. lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms. lb. .40 - —
smaller lots, dms. lb. .45 - —
cs., 500-lb. lots. lb. .43 - —
100-lb. lots. lb. .45 - —
5-lb. cns. lb. .63 - —
Magnesite, cal., dom., bgs. ton.67.00 -75.00
imports, bgs., duty paid. ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash. ton.22.00 -25.00
Malva flowers, black, bls. lb. .90 - .95
blue, bls. lb. .90 - .95
Leaves, bls. lb. .40 - .45
Manaca root, bls. lb. .23 - .24
Mandrake root, bls. lb. .12 - .13
Manganese acetate, dms. lb. .26½ - —
Arsenate, bgs. lb. .12 - .12½
Borate, tech., bbls. lb. .15 - .16
Carbonate, bbls. lb. .19 - —
Chloride, bbls. lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton.71.50 - —
5-15 tons, works. ton.74.50 - —
½, 4 tons, works. ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works. ton.74.00 - —
l.c.l., 5 tons, works. ton.77.00 - —
smaller lots, works. ton.82.00 - —
burlap bgs., c.l., works. ton.71.75 - —
l.c.l., 5 tons, works. ton.74.75 - —
smaller lots, works. ton.79.75 - —
paper bgs., c.l., works. ton.70.00 - —
l.c.l., 5 tons, works. ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots. lb. 2.90 - —
smaller lots. lb. 3.00 - —
cns., 25 lbs. lb. 3.12 - —
Hydrate, bbls., dlvd. lb. .82 - —
Iodide, bots., 5 lbs. lb. 5.70 - —
jars, 25 lbs. lb. 5.55 - —

Manganese, linoleate, liquid, 4%, dms..lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10¼- —
single, bbls, works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .12 - .12½
Menthol, natural, Chinese, cs..lb. 4.25 - 4.35
Japanese, cs.....lb. 4.25 - 4.35
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails. 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Mercury, chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅝ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .86 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10¼- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.
dms., c.l., Zone 1.....gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .54½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works.....lb. .03 - —
refined, bgs., extra and returnable, c.l., wks..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
spray, bbls., c.l.....lb. .09½- —
l.c.l. .....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l. .....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l. .....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02⅝
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .09½- —
f.o.b. Gulf ports.....gal. .09 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylaniline, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.13 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16 - .16¼
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08½- .09
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27 - .28
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12½- .13
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86¼- —
Niger seed, bgs.....lb. .10½- .11
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —

Manganese Lin.—Oil, Haarlem

Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill..unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.25 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .23 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., oz.....lb. No prices
Chinese .....lb. .26 - .28
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18¼- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .14¼- .14¾
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots.....lb. 3.50 - 3.75
sweet, true, exp., cns.....lb. 1.75 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.25 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-66% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb.20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .60 - .70
rect'd., cns.....lb. 1.70 - —
Bois de rose, Brazil, cns....lb. 3.00 - 3.50
Cade USP IX (see Oil Juniper).
Cajeput, tech., dms.....lb. .85 - 1.00
USP IX, cns.....lb. .87 - 1.10
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22½- .28
dms. .....lb. .19½- .25
white, cns.....lb. .25 - .29
dms. .....lb. .22 - .26
Cananga, native, cns.....lb. 8.25 - 8.50
rectified, cns.....lb. 9.00 - 9.25
Capsicum (oleoresin), USP VIII, cns..lb. 3.85 - 5.50
Caraway USP, cns.....lb. 9.50 -10.00
Cardamom, bots.....lb.22.00 -28.00
Cassia, USP, cns.....lb. 2.95 - 3.05
Castor, blown, one-way dms., c.l..lb. .13¼- —
l.c.l. .....lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12 - —
l.c.l. .....lb. .12¾- —
cns. (1-gal.), l.c.l.....lb. .15½- —
dms. (returnable), c.l...lb. .11½- —
l.c.l. .....lb. .12¼- —
(5-gal.), l.c.l.....lb. .13½- —
tanks .....lb. .11 - —
dehydrated, dms., c.l.....lb. .1370- —
l.c.l. .....lb. .1610- —
tanks .....lb. .1500- —
extracted No. 3, tech., bbls., c.l..lb. .11½- —
l.c.l. .....lb. .12¼- —
dms. (returnable), c.l....lb. .11¼- —
l.c.l. .....lb. .12 - —
tanks .....lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11¾- —
80% (68% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .12 - —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs.....lb. .96 - 1.33
dms. .....lb. .93 - 1.30
Cedarwood, Southern, cns....lb. .29 - .32
dms. .....lb. .27 - .30
Celery, bots.....lb.21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .32 Nom.
tanks .....lb. .30½ Nom.
Cinnamon, bark, bots.....lb. 9.75 -32.00
leaf, dms.....lb. .85 - 1.20
Citronella, Ceylon, cns.....lb. .55½- .57½
dms. .....lb. .53½- .55½
Java, cns., dms.....lb. .52 - .53
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07½ Nom.
edible, 76°, dms., c.l.....lb. .13 Nom.
l.c.l. .....lb. .13½- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., USP, bbls...bbl.80.00 -85.00
Coriander, bots.....lb.18.00 -25.00
Corn, crude, tanks, works....lb. .12¼ Nom.
refd., bbls.....lb. No prices
Cottonseed, cooking, bbls....lb. .14 - —
salad, bbls.....lb. .14½- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.35 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 5.50 - 6.00
weed, bots.....lb. 5.75 - 6.25
Dip (see L).
Erigeron, cns.....lb. 1.50 - 2.25
Eucalyptus, cns.....lb. .66 - .70
dms. .....lb. .63 - .67
Fennel, sweet, cns.....lb. 2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb.12.50 -15.00
Bourbon, cns.....lb.12.50 -15.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 5.75 - 9.50
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Haarlem, imp., bots.....gross. No prices

Oil, Halibut—Orange Mineral

Oil, halibut liver, ref., dms..gal.36.00 - —
Hemlock, cns.....lb. .90 - 1.25
Juniper, berry, cns.....lb.15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .72 - .95
Lard, common, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .11⅝- —
extra, bbls.....lb. .12¼- —
1, bbls.....lb. .12 - —
Winter, strained, bbls....lb. .12½- —
prime, burning, bbls.....lb. .13¼- —
prime, ined., bbls.....lb. .12⅜- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. No stocks
Lavender flower, French, 50% ester, cns..lb.10.75 -11.00
38-42% ester, cns.....lb.10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. 7.25 - 8.00
Lavender, garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.55 - 3.00
dms. .....lb. 2.45 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.90 Nom.
Lime, dist., cns.....lb. 5.75 - 7.25
expressed, cns.....lb. 8.00 -10.75
Terpeneless .....lb.60.00 -65.00
Linaloe, wood, cns.....lb. 2.50 - 2.85
Linseed, raw, dms., c.l.....lb. .1150-.1170
l.c.l., 10 to 69.....lb. .1190- —
5 to 9.....lb. .1210- —
less than 5.....lb. .1230- —
tanks .....lb. .1260-.1280
boiled linseed oil .004 cent over raw.

Oil, lovage, extra fine, bots....lb.85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .17 - .22
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .09½- .15
200-280 vis., 3, 15-25 pour, tanks..gal. .09½- .12
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks...gal. .22 - .24⅛
cylinder oils, 600-630 flash, tanks..gal. .13½- .16
600 - 650 steam ref'd, tanks..gal. .13 - .15
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .28 - .33
200 vis., 0-25 pour, tanks, gal. .30 - .35
Mace, dist., cns., dms.....lb. 2.30 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .57½ Nom.
ref'd alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00

Oil, neatsfoot, 20° cold test, bbls., lb. .25¾- —
extra, bbls.....lb. .12¼- —
1, bbls.....lb. .12 - —
prime, bbls.....lb. .12½- —
pure, bbls.....lb. .17⅜- —
Neroli, bots.....lb.200.00 -375.00
Nutmeg, dist., cans, dms....lb. 2.15 - 2.65
Officica, liquid, dms.....lb. .20½- .21
tanks .....lb. .19⅛- —
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12⅛- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 5.00 - 5.25
imported, dms.....gal. 5.40 - 5.50
foots, dms.....lb. .16¾- .17⅛
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.40 - —
expressed, Calif., cns.....lb. 3.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .06⅝ Nom.
Sumatra, shipt., bulk.....lb. .06½ Nom.
Palmarosa, cns.....lb. 3.15 - 3.50
Paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, Ind. ref'..gal. .12 - —
100-105 vis., bbls., extra, Ind. ref'..gal. .14 - —
300° flash, 100-110 vis., tanks, G. S..gal. .05¾- —

Oil, patchouli, bots., cns.....lb. 4.85 - 8.00
Peanut, crude, nom, tanks...lb. No prices
refd., edible, bbls.....lb. No prices
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms., lb. 3.30 - 3.80
redist., USP, cns., dms....lb. 3.50 - 4.15
Perilla, dms.....lb. .19½- .20
tanks .....lb. .18½- —
Petitgrain, Paraguay, cns...lb. 1.45 - 1.50
dms. .....lb. 1.40 - 1.45
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .60 - —
steam-dist., dms.....gal. .61 - .65
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .15¼- .15½
tax not incl., tanks.....lb. .09⅝- —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., dlvd..lb. .11½- .12½
tanks, dlvd.....lb. .10⅝- —
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz.16.75 -20.00
Rosemary, Spanish, cns.....lb. .88 - 1.03
dms. .....lb. .85 - 1.00
Rosin, 1st rectified, dms....gal. .41 - —
2d rectfd., dms.....gal. .43 - —
3d rectfd., dms.....gal. .47 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 7.50 Nom.
Sandalwood, domestic distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 6.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 Nom.
refd., alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Sassafras, artif., cns.....lb. .76 - .80
dms. .....lb. .73 - .77
natural, cns., dms.....lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .11 Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms..lb. .12½ Nom.
tanks .....lb. .10⅝ Nom.
refd., dms.....lb. .12⅝ Nom.
tanks .....lb. .12 Nom.
Spearmint, dms.....lb. 2.45 - 2.80
Sperm, bleach, 38°, dms....lb. .1220- —
45°, dms.....lb. .1150- —
natural, dms.....lb. .1100- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns....lb. 2.75 - 3.50
South, cns.....lb. 1.50 - 1.85
Tall crude, dms., c.l., works, ton.40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., dlvd...lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .06¾
tanks, dlvd.....lb .05 - .06⅝
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .11⅝- —
tanks .....lb. .11¼- —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .27 - —
E. ports, c.l.....gal. .26½- —
l.c.l. .....gal. .30 - —
tanks, dlvd. E. cities..gal. .21 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .22½ Nom.
refined, dms.....lb. .24 - .24½
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.40 - 2.25
white, cns.....lb. .95 - 2.50
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 7.25 - 7.75
Whale, ref., natural, dms...lb. .1010- —
winter, bleach, dms.....lb. .1050- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., (tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms.....gal. .43½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66⅝
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb.35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 9.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —

American AROMATICS OF *Exceptional* QUALITY

AMERICAN manufactured Aromatic Chemicals . . . of exceptionally fine quality . . . are available to fulfill your requirements.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetics.

Our line of pure aromatic chemicals is being steadily augmented and will allow the American perfumer to produce for the American Public a line of interesting perfumes of infinite variety.

Among the leading items produced are:

ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

PRODUCT GL 4C—A non-toxic wetting agent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

COLLORESIN—Replaces Gum Tragacanth satisfactorily.

INDOL

The following raw materials also of Domestic Manufacture have proven themselves in the Soap and Perfume industry. The rapid rise in their sale indicates their value.

CYCLAMAL • CITRONAL • FLORANOL • ROSEFOLIA

100% Pure—Soap fast—Free from irritation. Will not discolor.

Requests for samples on your firm's letterhead will be promptly answered.

Aromatics Division
GENERAL DRUG COMPANY
644 PACIFIC STREET, BROOKLYN, N. Y.
9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES
1019 ELLIOTT STREET, W. WINDSOR, ONT.

Orange, mineral, Amer., bbls., 5 tons, dlvd., Colo., Mont., N. M., Wyo.	lb.	.11¾-	—
Other points	lb.	.11¾-	—
smaller lots, dlvd., Ala., etc.	lb.	.12 -	—
Ariz., etc.	lb.	.12½-	—
Colo., Mont., N. M., Wyo.	lb.	.12¾-	—
Other points	lb.	.13¾-	—
French, Tours, casks, ex dock,	lb.	No prices	
kgs., ex dock	lb.	No prices	
Molybdate, bbls.	lb.	.31 -	—
Toner, bbls.	lb.	.80 -	—
Orangeflower petals, cs.	lb.	.45 -	.60
Orange peel, bitter, bls.	lb.	.09 -	.10
sweet, bls.	lb.	.10 -	.12
Haitain, bgs.	lb.	.07½-	.08
Orris root, Florentine, bgs.	lb.	2.00	Nom.
fingers, cs.	lb.	No stocks	
powd., bbls., bxs.	lb.	2.25	Nom.
Verona, bls.	lb.	2.00	Nom.
powd., bgs., cns.	lb.	2.25	Nom.
Orthoamylphenol, l.c.l., dms., works.	lb.	.15 -	—
Orthoanisidin, bbls.	lb.	.70 -	—
Orthochloraniiin, dms.	lb.	.60 -	.70
Orthochlorophenol, dms.	lb.	.32 -	—
Orthocresol, dms., c.l., works.	lb.	.17 -	—
l.c.l., same basis	lb.	.17½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 -	.07
l.c.l., same basis	lb.	.07 -	.08
100-lb. tins, same basis.	lb.	.08 -	.09
50-lb. tins, same basis.	lb.	.09 -	.10
tanks, same basis	lb.	.05½-	.06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.			
Orthonitroaniiin, dms.	lb.	.55 -	—
Ortnonitrochlorobenzene, dms.	lb.	.15 -	.18
Orthonitroparachlorophenol, cns.	lb.	.75 -	—
Orthonitrotoluene, dms.	lb.	.09 -	—
Orthophenetidin, dms.	lb.	.80 -	—
Orthotoluidin, dms.	lb.	.19 -	—
Osage orange, crystals, bgs.	lb.	.21 -	—
extract, bbls., No. 1	lb.	.10 -	—
No. 2	lb.	.09 -	—
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 -	—
bots., cns., 1-50 lbs.	lb.	3.75 -	4.15

P

Papain, powd., cs.	lb.	2.50 -	2.60
Paprika, Algerian, bgs.	lb.	.32½-	.33
Bulgarian, bgs.	lb.	.26 -	.29
Portuguese, fancy, bgs.	lb.	.33 -	.33½
good, bgs.	lb.	.26½-	.27
Spanish, extra fancy, cs.	lb.	.42 -	.43
medium, cs.	lb.	.40 -	.41
Parachlorophenol, dms.	lb.	.32 -	—
Paracymene, refd., dms.	gal.	.75 -	1.35
Paradichlorobenzene, dms, c.l.	lb.	.11 -	.13
l.c.l.	lb.	.12¼-	.13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy.	lb.	.05¼	Nom.
bbls., c.l., N.Y.	lb.	.05¼	Nom.
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.05¼	Nom.
bbls., c.l., N.Y.	lb.	.05¼	Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.05	Nom.
fully refd., 123-125 A.m.p., bgs., c.l.	lb.	.0570	Nom.
128-130 A.m.p., bgs. or loose, c.l.	lb.	.0570	Nom.
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0595	Nom.
133-135 A.m.p., bgs. or loose, c.l.	lb.	.0625	Nom.
135-137 A.m.p., bgs. or loose, c.l.	lb.	.0650	Nom.
138-140 A.m.p., bgs. or loose, c.l.	lb.	.0725	Nom.
143-145 A.m.p., bgs. or loose, c.l.	lb.	.0820	Nom.
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15	Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankers is 5c. lower. Prices are for contract delivery.			
match, A.m.p., up to and incl. 110-112 bbls., c.l.	lb.	.03½-	—
Semi-refd., solid, 122-124 A.m.p. bgs.	lb.	.06	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23 -	—
100 to 900 lbs. shipments, same basis.	lb.	.24 -	—
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works.	lb.	.10 -	—
l.c.l., works	lb.	.11¼-	—
5 and 10-gal. dms., works.	lb.	.15 -	—
USP. cs., cbys.	lb.	.37 -	.45
Paranitrophenol, kgs.	lb.	.35 -	—
Paranisidine, dms.	lb.	.75 -	—
Paranitroaniiin, kgs., works.	lb.	.45 -	—
Paranitrochlorobenzene, kgs.	lb.	.15 -	—
Paranitrotoluene, kgs.	lb.	.30 -	—
Paraphenylenediamine, bbls.	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls.	lb.	.48 -	—
Pareira brava root, bls.	lb.	.20 -	.21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 -	.25
l.c.l., same basis	lb.	.24 -	.26
Passion flower, herb, bls.	lb.	.06 -	.07
Patchouli leaves, bls.	lb.	.28 -	.30
Pellitory root, bls.	lb.	.30 -	.32
Pennyroyal leaves, bls.	lb.	.15 -	.16
Pentachlorophenol, dms., works,	lb.	.20 -	.25
Pentaerythritol, C.P., bbls., dlvd.,	lb.	.75 -	—
less than barrel lot.	lb.	1.00 -	—
tech., bbls., dlvd.	lb.	.33½-	.35½
less than barrel lots	lb.	.40 -	—
Pentaerythritol tetra acetate, bbls., dlvd.	lb.	1.00 -	—
less than barrel lot.	lb.	1.50 -	—
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.11¼-	—
l.c.l., G.3.	gal.	.16 -	—
tanks, G.3.	gal.	.07 -	.08½
laboratory grade, dms., c.l., G.3,	gal.	.14 -	—
l.c.l., G.3.	gal.	.25 -	—
Pepper, black, Alleppy, bags.	lb.	.08½-	.09
Lampong, bags.	lb.	.0570-	.0600
Tellicherry, bags.	lb.	.08½-	.09
white, Java, Muntok, bags.	lb.	.11 -	.11½
Muntok, small berry, bags.	lb.	.10½-	.11
red, chillies, Japan, Hontaka.	lb.	.21 -	.22
Mombassa, bgs.	lb.	.24½-	.25
Sierre Leone, bgs.	lb.	.24 -	.24½
Peppermint leaves, dom., bls.	lb.	.75 -	.80
import, bls.	lb.	1.25	Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	bl.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09¼-	—

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	1.35 -	1.40
Petrolatum, amber, dms.	lb.	.03¼-	
l.c.l.	lb.	.04¼-	—
amber, extra, dms.	lb.	.04 -	—
l.c.l.	lb.	.04½-	—
white, cream, dms., c.l.	lb.	.04½-	—
l.c.l.	lb.	.06 -	—
lily, dms., c.l.	lb.	.05¼-	—
l.c.l.	lb.	.06¾-	—
snow, dms., c.l.	lb.	.06 -	—
l.c.l.	lb.	.08 -	—
Petroleum, crude, bulk, at wells:—			
California	bbl.	.43 -	1.71
Canada	bbl.	1.08 -	1.70
Central West:—			
Illinois	bbl.	1.37 -	—
Ohio	bbl.	1.05 -	1.10
Michigan	bbl.	1.17 -	1.44
Indiana	bbl.	1.22 -	
Petroleum, crude, bulk, at wells, East Texas.	bbl.	1.25 -	—
Gulf Coast	bbl.	1.06 -	1.46
Kentucky, Tennessee	bbl.	1.22 -	1.43
Louisiana, Arkansas	bbl.	.94 -	1.36
Mexico	bbl.	No prices	
Midcontinent (Oklahoma, Kansas, North Texas).	bbl.	.75 -	1.25
Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany	bbl.	2.75 -	—
Corning	bbl.	1.31 -	—
N. Y. Transit lines	bbl.	2.75 -	—
Eureka lines	bbl.	2.34 -	—
Penna., S. W. Penn lines,	bbl.	2.40 -	—
Lower district in National Transit lines.	bbl.	2.63 -	2.68
Rocky Mountains	bbl.	.96 -	1.20
South Central and South western Texas.	bbl.	1.03 -	1.50
Texas Panhandle, W. Tex. and N. Mexico	bbl.	.70 -	1.27
tanker, normal, tanks, G.3.	gal.	.03½-	
dms., c.l., dlvd.	gal.	.24 -	—
l.c.l., 5 or more, dlvd.	gal.	.29 -	—
1-5, dlvd	gal.	.38	
laboratory grade, dms., c.l., G.3.	gal.	.14½-	—
l.c.l., G.3.	gal.	.20½-	
10-gal. lots, G-3.	gal.	.50¾-	
Lacquer, diluent, at refinery:—			
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles.	gal.	.11 -	—
San Francisco.	gal.	.11½-	—
Willbridge, Ore., Fort Wells, Wash.	gal	12	

Orange Mineral—Pet. Min. Spir.

Petroleum, lacquer, diluent, East Coast, N. Y., tanks.	gal.	.10½-	—
N. J., tanks	gal.	.11 -	—
Group 3, toluol type, tanks,	gal.	.07¾-	.09¼
Benzol type, tanks.	gal.	.07¾-	.09¾
Mineral spirits, at refinery:—			
California (f.o.b. San Francisco). 166-212 b.t., tanks,	gal.	.10½-	—
198-290 b.r., tanks.	gal.	.10½-	—
246-397 b.r., tanks.	gal.	.10½-	—
312-408 b.r., tanks.	gal.	.09 -	—
362-458 b.r., tanks.	gal.	.09 -	—
East Coast, N. Y., tanks,	gal.	.09 -	—
N. J., tanks	gal.	.09½-	—
Group 3, tanks	gal.	.06½-	—
Gulf Coast, tanks	gal.	.06½-	—
tankwagon:—			
Albany	gal.	.13¼-	—
Baltimore (100 gals.)	gal.	.14 -	—
25-99 gals.	gal.	.16 -	—
Boston	gal.	.13¼-	—
Bound Brook, North Amboy, N. J.	gal.	.13¼-	—
Bridgeport, Conn.	gal.	.11¼-	—
Buffalo	gal.	.15½-	—
Camden, N. J.	gal.	.10 -	.11¼
Chicago	gal.	.1670-	—
Decatur	gal.	.1810-	—
Des Moines	gal.	.1790-	—
Evansville, Ind.	gal.	.1420-	.1530
Milwaukee	gal.	.1930-	—
Minneapolis-St. Paul.	gal.	.19½-	—
Newark	gal.	.09½-	—

IT COMES OUT HERE

THE training, knowledge and experience of a pianist are matters of reputation until he places his hand to the keys. Then he demonstrates his ability, gives it substance and reality.

That's how it is with the Shell Naphtha Technician. Because he is an experienced chemical engineer, because he has had intensive specialized training and experience in naphthas, the Shell Naphtha Technician has acquired an enviable reputation for ability and sound suggestions.

But this ability is only reputation until he is able to demonstrate it in *your* plant on *your* production. Put the Naphtha Technician to the test. Have the nearest Shell Office arrange a visit from him . . . without cost to you.

SHELL

SHELL NAPHTHAS

Pet. Mineral Spirits—Rue Herb

Petroleum, mineral spirits, tank-wagon:—
New York (200 gal)...gal. .10 - —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½ .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .13 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20¾- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
5, tanks, f.o.b. Paulsboro, N. J..gal. .16¼- —
20, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 288 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10¾- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11¼- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .15 - —
St. Louis inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07¼- —
Stoddard (CS 8-53), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .18 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10¼- .11¼
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13½- —
under 1,000 lbs.....lb. .14½- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .88
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots. .....lb. 4.00 - 4.10
Dimethylacetate, cns. .....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs. works.....lb. 1.75 - —
Phlorogucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, 72% min., bulk mines..long ton. 2.50 - —
Tenn., 72% bulk, mines.....long ton. 4.50 - —
78% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms, works.....lb. .13 - .14
Resquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vls..oz. 3.25 - 3.75
Nitrate, bots., vls.....oz. 3.25 - 3.75
Pimento, Jamaican, bgs.....lb. .28½- .29
Mexican (see Allspice, Mexican)
Pinkroot, bls.....lb. .41 - —
Pitch, ourgundy (see Ep).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .42 - .44
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .18 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works..lb. 6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs...lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 47% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms. .....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.90
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacosulphonate, fib. dms., 100-lb. lots..lb. 1.75 - 1.85
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .82 - .84
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M. unit-ton. .20 - .21
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% K_2O, same basis, unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms., wks, lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red., bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs, lb. .07 - —
Sulphate, NF, powd., 350 lbs. bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk, basis 90%, K_2SO_4, ex-vessel, ports, ton.36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex-vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .19
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .05¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
Pumice stone, Italian, Amer.-grd., 0, 0—, 0—, and ½ pdr., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-29 tons, ex whse..ton.. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 3.00 - —
refined, dms.....100 lbs. 3.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.60 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
fine powd., 18% pyrethrins, frt. alld., bbls..lb. .22 - .23
Pyridin, denaturing, dms....gal. 1.[illegible]
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis ...ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05¼- —
tanks, works.....lb. .04¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
powd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10½- —
Queen of the meadow leaves bgs..lb .07½- .08
Root, bgs.....lb .08 - —
Quercitron, crystals, bgs.....lb. .24 - —
extract, bgs, No. 1.....lb. .09 - —
No. 2.....lb. .08½- —
No. 3.....lb. .08 - —
solid, bxs.....lb. .17 - —
Quicksilver, dom. flasks (76 lbs net), dlvd., N.Y..flask190.00 -192.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl war risk insurance..flask.250.00 Nom.
ex store.....flask.252.00 Nom.
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .69 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Quinine, valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06¼
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06½- .07
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works.lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
rare toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .09¼- —
80-85%, bbls., same basis..lb. .07¾- —
Iron oxide (see Red, same basis.
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40
Mercury oxide, tech., bbls 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works. [illegible]
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works lb. .09 - —
l.c.l., works.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. No prices
ex wh[illegible] Louis..lb. No prices
San [illegible] Portland, Seattle..lb. No prices
Phloxin toner (toner)
Phosphotungstic rhodamine kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .[illegible] 1.[illegible]
Oxide bbls., f.o.b. Bethlehem Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. [illegible] [illegible]
Scarlet ink toner kgs., same basis, alizarin lake..lb. .55 -
Lake, kgs., same basis alizarin lake..lb. .25 -
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N. Y..lb. .04¾- —
l.c.l. .....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N. Y..lb. .04¼- —
l.c.l. .....lb. .04¾- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10% bbls., works.....lb. .0245- —
15% bbls., works.....lb. .0265- —
20% bbls., works.....lb. .02¾- —
25% bbls., works.....lb. .03 - —
30% bbls., works.....lb. .03¼- —
35% bbls., works.....lb. .0360- —
40% bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. allc., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .35 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.80 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .32½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.37 - —
E, bbls.....100 lbs. 2.73 - —
D, bbls.....100 lbs. 2.73 - —
F, bbls.....100 lbs. 2.83 - —
G, bbls.....100 lbs. 2.83 - —
H, bbls.....100 lbs. 2.83 - —
I, bbls.....100 lbs. 2.83 - —
K, bbls.....100 lbs. 2.83 - —
M, bbls.....100 lbs. 2.88 - —
N, bbls.....100 lbs. 2.86 - —
W. G., bbls.....100 lbs. 3.00 - —
W. W., bbls.....100 lbs. 3.24 - —
X, bbls.....100 lbs. 3.24 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.27.50 - —
Rouge, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls.	lb.	.22	- .28
Saccharin, dms., 100 lbs.	lb.	1.45	- —
cns., 25 lbs.	lb.	1.48	- 1.50
Safflower, bls.	lb.	.35	- .40
Saffron, Mexican, bls.	lb.	.40	- .45
Spanish, tins	lb.	38.00	-39.00
Safrol, cns.	lb.	1.03	- —
dms.	lb.	1.00	- —
Sage, Dalmatian, garden, bls.	lb.	1.50	Nom.
stemless, bls.	lb.	No	stocks
ground, bls.	lb.	1.75	Nom.
Greek, bls.	lb.	.90	- 1.00
Spanish, bls.	lb.	No	stocks
Sago, flour, bgs.	lb.	.05½	- .06
Salicin, bots., 5 lbs.	lb.	7.00	- —
cns., 25 lbs.	lb.	6.75	- —
Salol, gran., bbls., 200 lbs.	lb.	.90	- —
bxs., 25 lbs.	lb.	.93	- —
kgs., 100 lbs.	lb.	.90	- —
powd., fib. dms., 25 lbs.	lb.	1.03	- —
kgs., 100 lbs.	lb.	1.00	- —
Salt, rock, bgs., dlvd. N. Y.	ton.	14.20	- —
l.c.l., bgs., dlvd. N. Y.	ton.	16.00	-16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y.	ton.	15.70	- —
l.c.l., dlvd. N. Y.	ton.	18.20	-21.30
Saltcake, dom., bulk, works.	ton.	13.00	Nom.
import, bulk, c.i.f.	ton.	16.00	Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	9.10	-10.10
1-9 tons	100 lbs.	9.25	-10.25
less than ton lots.	100 lbs.	9.50	-10.50
gran., bbls., 10-20 tons	100 lbs.	8.10	- —
1-9 tons	100 lbs.	8.25	- —
less than ton lots.	100 lbs.	8.50	- —
powd., bbls., 10-20 tons	100 lbs.	9.10	- —
1-9 tons	100 lbs.	9.25	- —
less than ton lots.	100 lbs.	9.50	- —
Santonin, cryst., cns.	kilo.	170.00	-182.00
Saponin, crude, cns.	lb.	2.25	- 2.50
Purified, cns., 25 lbs.	lb.	3.00	- 3.25
Sarsaparilla root, Honduras, bls.,	lb.	.32	- .33
Mexican, bls.	lb.	.20	- .22
Sassafras, bark, ord., bls.	lb.	.13	- .14
select, bls.	lb.	.20	- .21
Savory, bls.	lb.	1.50	- 1.60
Saw palmetto berries, bgs.	lb.	.08	- .09
Scammony root, bgs.	lb.	.07	- .08
resin, lump, cns.	lb.	.85	- —
powd., bxs.	lb.	.90	- —
Schaeffer's salt, bgs.	lb.	.46	- —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.	lb.	.30¾	- —
smaller lots.	lb.	.31¼	- —
kegs, 5,000 lbs., 1 shipm't.	lb.	.31¼	- —
smaller lots.	lb.	.31¾	- —
Selenium, pwd. A, 10-lb. tins.	lb.	2.00	- —
100-lb. cases	lb.	1.75	- —
Senega root, spot, bls.	lb.	.90	- .95
Senna leaves, Alexandria, half leaf, bls.	lb.	.18	- .20
siftings, bgs.	lb.	.17	- .19
Senna, Tinnevelly, No. 1, bls.,	lb.	.13	- .14
2 bls.	lb.	.11	- .13
3 bls.	lb.	.09	- .10
powd., bbls., bxs.	lb.	.13	- .14
Pods, bls.	lb.	.10	- .11
Serpentaria root, bls.	lb.	.60	- .65
f.o.b. N.Y.	lb.	.31	- —
Shellac, bleached, bonedry, bbls.			
dlvd., Boston	lb.	.35	- —
Chicago	lb.	.35½	- —
Pacific Coast	lb.	.37½	- —
rfd., bbls., f.o.b. N. Y.	lb.	.41	- —
dlvd., Boston	lb.	.41½	- —
Chicago	lb.	.41¾	- —
Pacific Coast	lb.	.45	- —
Garnet, bgs.	lb.	.30	- .31
D.C., V.S.O., or Diamond I. cs., cs.	lb.	.38	- .39
Superfine, bgs., f.o.b. Boston, N. Y.	lb.	.29	- .30
dlvd., Chicago	lb.	.29½	- .30½
Pacific Coast	lb.	.32	- .33
T. N., bgs, f.o.b. Boston, N. Y.,	lb.	.28	- .29
dlvd., Chicago	lb.	.28½	- .29½
Pacific Coast	lb.	.31½	- .32½
varnish, Metro area, orange, 5-lb. cut, bbls.	gal.	1.45	- 1.50
4½-lb. cut, bbls.	gal.	1.40	- 1.45
4-lb. cut, bbls.	gal.	1.35	- 1.40
white, 5-lb. cut, bbls.	gal.	1.55	- 1.60
4½-lb. cut, bbls.	gal.	1.50	- 1.55
4-lb. cut, bbls.	gal.	1.45	- 1.50
Prices, dlvd., Boston or Chicago, 10c. per gal higher			
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	17.00	- —
l.c.l., 2½ tons, works,	ton.	19.00	- —
smaller lots, works.	ton.	20.00	- —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	19.00	- —
l.c.l., 2½ tons, works,	ton.	21.00	- —
smaller lots, works.	ton.	25.00	- —
400 mesh, bgs., c.l., works,	ton.	30.00	- —
l.c.l., 2½ tons, works.	ton.	35.00	- —
smaller lots, works.	ton.	38.00	- —
wet-grd., 96-98% 325 mesh, bgs., c.l., works.	ton.	20.00	- —
l.c.l., 2½ tons, works.	ton.	21.50	- —
smaller lots, works.	ton.	23.00	- —
99%, 323 mesh, bgs., c.l., works.	ton.	22.00	- —
med. grd., 99%, 325 mesh,	ton.	25.50	- —
l.c.l., 2½ tons, works.	ton.	27.00	- —
smaller lots.	ton.	13.50	- —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.	ton.	18.50	- —
l.c.l., works.	ton.	11.00	- —
140 mesh, bgs., c.l., works,	ton.	16.00	- —
l.c.l., works.	oz.	.34¾	- —
Silver, bullion	oz.	.7111	- —
Govt. purchase, dom., metal,	oz.	.35	- —
Govt. purchase, foreign metal,	oz.	.33	- —
Cyanide, cns., 2,500 ozs.	oz.	.33¼	- —
1,000 ozs.	oz.	.33½	- —
500 ozs.	oz.	.33¾	- —
80 to 100 ozs.	oz.	.24	- —
Nitrate, vis.	oz.	.29	- .34
Nucleinate, bots., dms.	oz.	.28	- .33
Protelnate, bots., dms.	lb.	.35	- .40
Simarubra barks, bls.	lb.	.23	- .24
Skullcap, Eastern, bls.	lb.	.14	- .15
Western, bls.	lb.	.11	- .12
Skunk cabbage root, bls.	ton.	9.00	- —
Slate flour, bgs., c.l., works.	ton.	10.00	-15.00
l.c.l., works.	lb.	.56	- .58
Sloe berries, bgs.	lb.	.05	- .08
Smalt, black, extra velvet, ctns.,	lb.	.07	- .08½
Blue, ctns.	lb.	.24	- .26
Snakeroot, Canada, bls.	lb.	.10	- .11
Soapbark, bls.	lb.	.13	- .18½
crushed, bls., bbls.	lb.	No	stocks
cut, German, bls., bbls.	lb.	.17	- .18
dom., bbls.	lb.	.16	- .17
powd., bbls.			

Soda, acetate, anhyd., dms., dlvd.,	lb.	.08¼	- .10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04¼	- .05
l.c.l., dlvd.	lb.	.05	- .06
USP, bbls., dlvd.	lb.	.06	- —
90%, dms., c.l., dlvd.	lb.	.06	- .06½
l.c.l., dlvd.	lb.	.06¾	- .07
Alginate, dms., bbls., works.	lb.	.69	- .70
Antimoniate, bbls., dlvd.	lb.	.15	- .15½
Arsenate, dms., dealers, c.l., works.	lb.	.07½	- —
l.c.l., dms., works.	lb.	.08¾	- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06¼	- —
l.c.l., dms., works.	lb.	.07	- .07¼
white, dms., c.l., dealers, works.	lb.	.07¼	- —
l.c.l., dms., works.	lb.	.08	- .08½

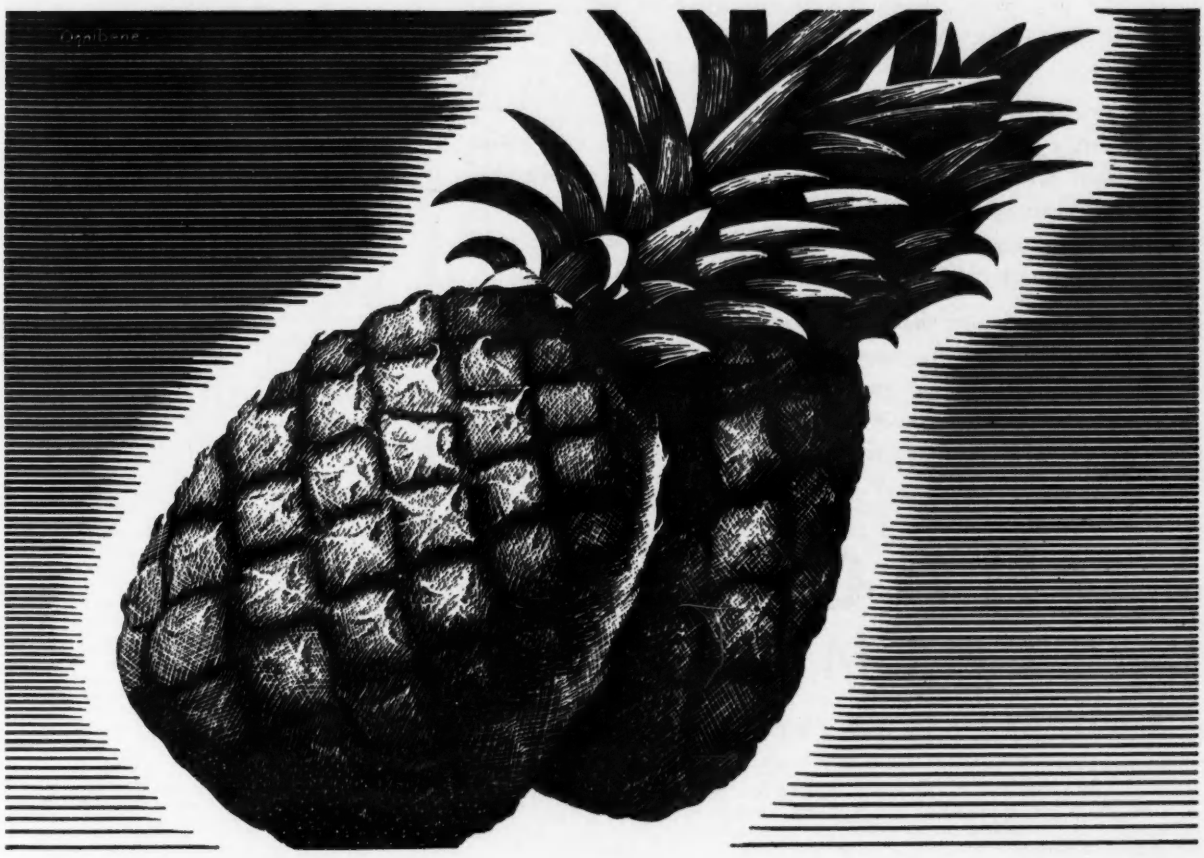
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.10	- —
l.c.l., Zone 1	100 lbs.	2.13	- —
2	100 lbs.	2.28	- —
3	100 lbs.	2.53	- —
4	100 lbs.	2.93	- —
bbls., c.l., works, 100 lbs.		1.35	- —
l.c.l., Zone 1	100 lbs.	2.35	- —
2	100 lbs.	2.50	- —
3	100 lbs.	2.75	- —
4	100 lbs.	3.15	- —
bulk, c.l., works.	100 lbs.	.95	- —
Soda ash, extra light, 58%, bgs., c.l.	100 lbs.	1.05	- 1.08
l.c.l., Zone 1	100 lbs.	2.08	- —
2	100 lbs.	2.23	- —
3	100 lbs.	2.48	- —
4	100 lbs.	2.88	- —
bbls., c.l., works.	100 lbs.	1.45	- —
l.c.l., Zone 1	100 lbs.	—	- —
2	100 lbs.	2.60	- —
3	100 lbs.	2.83	- —
4	100 lbs.	3.25	- —
bulk, c.l.	100 lbs.	.90	- —
light, 58%, bgs., c.l., works,	100 lbs.	1.05	- 1.08
l.c.l., Zone 1	100 lbs.	2.08	- —
2	100 lbs.	2.23	- —
3	100 lbs.	2.48	- —
4	100 lbs.	2.88	- —
bbls., c.l., works.	100 lbs.	1.35	- —
l.c.l., Zone 1	100 lbs.	2.35	- —
2	100 lbs.	2.50	- —
3	100 lbs.	2.75	- —
4	100 lbs.	3.15	- —
bulk, c.l.	100 lbs.	.90	- —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Sabadilla Seed—Soda Bicarb.

Soda, benzoate, tech., bbls., 4,000 lbs. or more.	lb.	.39	- —
1,000 to 3,900 lbs.	lb.	.40	- —
900 lbs. or less.	lb.	.43	- —
USP, bbls., fib., 4,000 lbs. or more.	lb.	.45	- —
1,000 to 3,900 lbs.	lb.	.47	- —
900 lbs. or less.	lb.	.50	- —
Bicarbonate, tech., bbls., c.l., works.	100 lbs.	1.70	- —
l.c.l.	100 lbs.	2.05	- —
bgs., c.l.	100 lbs.	1.55	- —
l.c.l.	100 lbs.	1.90	- —
USP, gran., bbls., c.l., works,	100 lbs.	2.25	- —
l.c.l.	100 lbs.	2.60	- —
powd., bbls., c.l., works.	100 lbs.	1.85	- —
l.c.l., dlvd., N.Y.	100 lbs.	2.51	- —
kgs., c.l.	100 lbs.	2.10	- —
l.c.l., dlvd., N.Y.	100 lbs.	2.76	- —



Good from the Start

Starting right, with good seed in good soil, is one of the surest ways to get fine results in growing things — and it is the same with manufactured products. Care in the selection of raw materials is essential in every responsible manufacturing organization. Niagara Alkali Company provides assurance of quality by the most scrupulous attention to every detail in the production, testing and handling of the materials it supplies to various industries. Why not give your products the benefit of a good start with Niagara Caustic Soda, Caustic Potash or Carbonate of Potash.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

THE "UNFORGIVING MINUTE"

"... FILL THE UNFORGIVING MINUTE WITH
60 SECONDS WORTH OF DISTANCE RUN"
RUDYARD KIPLING

So fast a pace has chemistry set that hardly a week now passes without news of achievements that would have been unbelievable a few years ago. Near-miracles no longer create surprise. Even manufacturers outside of the chemical industries rely more and more on chemistry for assistance in perfecting products and processes.

In common with chemists everywhere, HOOKER welcomes this change. It confirms the importance of the work on which HOOKER specialists are engaged and encourages them in carrying on the development of new products, new uses for old products and new methods of safeguarding the purity and uniformity of HOOKER chemicals.

HOOKER
CHEMICALS

Serves many industries, among them the following

UNIFORMLY PURE HOOKER CHEMICALS	Soap & San. Prod. Clean. Compounds	Perfume	Paint	Oil	Drug (Pharm. & Med.)
Acetyl Chloride					✓
Aluminum Chloride, Anhydrous		✓			✓
Ammonium Benzoate					✓
Antimony Trichloride, Anhydrous					✓
Benzoate of Soda					✓
Benzoic Acid		✓			✓
Benzoic Anhydride					✓
Benzoyl Chloride		✓			✓
Benzyl Alcohol		✓			✓
Benzyl Chloride		✓			✓
Bleaching Powder	✓				✓
Caustic Soda	✓		✓	✓	✓
Cyclohexanol	✓	✓		✓	
Chlorine	✓				✓
Meta Nitrobenzoyl Chloride					✓
Methyl Benzoate		✓			
Methyl Cyclohexanol	✓		✓		
Monochlor Benzene	✓	✓	✓		✓
Muriatic Acid					✓
Orthodichlorbenzene	✓		✓		
Paradichlorbenzene	✓				
Para Nitrobenzoyl Chloride					✓
Piperidine					✓
Sodium Sulfide	✓				
1:2:4 Trichlorbenzene	✓				

Many other HOOKER Chemicals are important intermediates, solvents and agents in organic synthesis. Write for complete list of products.

HOOKER ELECTROCHEMICAL COMPANY
NIAGARA FALLS, NEW YORK
NEW YORK CITY TACOMA, WASHINGTON

HOOKER E CO ELECTROCHEMICAL

1018 C

Soda Bichromate—Solvent

Soda, bichromate, spot, c.l., wks., lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- —
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.35 - —
33 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber drms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.85 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, drms., c.l., works..100 lbs. 2.80 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, drms., c.l., works..100 lbs. 2.80 - —

Soda, caustic, solid, electro process, drms., l.c.l., same zone prices as ammon. process. Caustic soda. l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., drms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
drms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .30
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., drms..lb. .14 - .15
imports, 90%, cs. .....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
anhy., drms., dlvd. .....
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis....100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
drms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
drms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
drms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
drms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
drms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, 100-lb. drms.....lb. 3.25 - —
Metanilate, brs .....lb. .41 Nom.
Metasilicate, anhyd., drms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 drms. and over, dlvd. N.Y..100 lbs. 4.05 - —
3-14 drms., same basis... 100 lbs. 4.80 - —
1-2 drms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.25 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.90 - —
Naphthionate, bbls.....lb. .50 - —
Soda, nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment.ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 3.50 - —
1-9 tons.....100 lbs. 3.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½

Soda nitrite l.c.l. prices range represents delivery at various points.

Orthosilicate, anhy., drms., c.l., works, frt. equal'd..lb. 4.80 - —
15 drms., and over, same basis..lb. 5.45 - —
3-14 drms., same basis..lb. 5.60 - —
1- 2 drms., same basis..lb. 5.85 - —
flake, drms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs.. bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., wks., 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs, c.l., works.....100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works.lb. .11½- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .. ..lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —..
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, drms., c.l., works, 100 lbs. 2.90 - —
10 drms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 drms.....100 lbs. 4.25 - —
Silicate, 40° turbid, drms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52° drms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .12 - .15
Stannate, drms.....lb. .34 - .37
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, exsiccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .09 - —
tanks, works .....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —

Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works....lb. .15¾- —
Soybean meal, 41%, bgs....ton.38.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works....lb. .11¾- .15
Sparteine sulphate, cns....oz. 3.65 - 3.95
Spearmint leaves, bls....lb. .28 - .29
Spikenard root, bls....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works....lb. .02 - —
tanks, works....lb. .01½- —
Squawvine, leaves, bls....lb. .14 - .15
Squill, red, powd....lb. 1.25 - 1.30
White, bls....lb. .40 - .42
powd., bbls., bxs....lb. .50 - .52
St. Ignatius beans, bgs....lb. .46 - .48
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y....100 lbs. 3.55 - —
Potato, dom., bgs., c.l....lb. .0585- —
l.c.l. ....lb. .0710- —
import, bgs....lb. No prices
Rice, bgs....lb. .09 - .10
Sweetpotato, bgs....lb. .06¼ Nom.
bbls. ....lb. .07 Nom.
Wheat, thick, boil, bgs....lb. .05 - —
Starch, iodide, bots....lb. 1.87 - —
Staveacre, seed, bgs....lb. .35 - .40
Stearin, oleo....lb. .09½- .10
stillingia root, bls....lb. .07½- .08
Stoneroot, bls....lb. .07¼- .08
Storax, cs....lb. 1.80 - 1.85
Stramonium leaves, bls....lb. .45 - .50
Strontium bromide, cns....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls....lb. .20 - .22
Iodide, bots., 5 lbs....lb. 3.06 - —
jars, 25 lbs....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .78 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, C.P. grade,, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works....lb .40 - —
Sugar coloring, bbls....gal. .75 - 1.45
Milk, bbls., c.l....lb. .18 - —
l.c.l., 10 or over....lb. .19 - —
less than 10....lb. .20 - —
Sulfaquanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots....ea. 8.10 - —
1-lb. bots....ea.30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.70 - —
lb. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs....lb. 1.30 - —
25-lb. lots....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs....lb. 6.75 - 6.80
Sulphonmethane, kgs....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine....100 lbs. 2.90 - —
bbls., c.l., mine....100 lbs. 2.70 - —
l.c.l., mine....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine....100 lbs. 2.50 - —
bbls., c.l., mine....100 lbs. 2.10 - —
l.c.l., mine....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine....100 lbs. 2.70 - —
bbls., c.l., mine....100 lbs. 2.30 - —
l.c.l., mine....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l....lb. .07 - —
l.c.l. ....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04¼- .0
tanks, works....lb. .04 - .06
refrigeration cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars....lb. 3.90 - 4.05
Precipitated, USP, bbls....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s....ton. No prices
extract, bbls, No. 1....lb. .08 - —
No. 2....lb. .07 - —
stainless, bbls....lb. .09 - .11
Berries, bgs....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs....lb. .06 - .06¾
poultry, Argentine....lb. .06 - .06¾
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose....lb. .08¼- —
special, loose....lb. .08⅛- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05 - —
l.c.l. ....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06¼- —
l.c.l. ....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. ....lb. .08 - —
Tamarind, No. 1, bbls....lb. .06 - .07
kegs ....keg. 6.00 - 6.00
Tankage, fertiliser, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.25 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 4.00 & .10
high-grade, bulk, Chicago, unit-ton. 4.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 3.00 Nom.
Tansy leaves, bls....lb. .22 - .28
Tapioca flour, bgs....lb. .05 - .06½
Tar acid oil, 15%, dms., works..gal. .22 - .24
l.c.l., same basis....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis....gal. .27 - .29½
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports ....gal. .26 - —
l.c.l. ....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5....lb. .45 - —
USP, powd, bbls....lb. .50 - —
Terpinyl acetate, cns....lb. .80 - .85
Terpin hydrate, bbls., dms....lb. .60 - .65
Terpineol, CP, cns....lb. .30 - —
dms. ....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21¼- —
tech. (see Perchloroethylene).
Tetralin, dms....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns....lb. 3.00 Nom.
Sodiosalicylate, dms....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .85 - .90
Thiocarbanilide, dms....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls....lb. .65 - .67
Spanish, bls....lb. .20 - .21
Thymol, dms., 100 lbs....lb. 1.50 - —
cns., 25 lbs....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs....lb. 3.40 - —
25 lbs....lb. 3.50 - —
Timbo root (see Cube root).
Tin, chloride (ous), anhyd.....lb. .48½- .49
Crystals, bbls., bgs....lb. .39½- .40
Metal, Straits....lb. .53¼- —
Oxide, bbls....lb. .55 - .57
Tetrachloride, anhyd., bbls..lb. .28½- —
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs....lb. .15 - —
50-999 lbs....lb. .15¼- —
bbls., c.l. (20 tons)....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs....lb. .15¼- —
50-999 lbs....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs....lb. .17 - —
50-999 lbs....lb. .17¼- —
bbls., c.l. (20 tons)....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs....lb. .17¼- —
50-999 lbs....lb. .17½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs....lb. .15½- —
50-999 lbs....lb. .15¾- —
bbls., c.l. (20 tons)....lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs....lb. .15¾- —
50-999 lbs....lb. .16 - —
barium or magnesium base bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. ....lb. .06 - —
bbls., c.l. (20 tons)....lb. .06 - —
l.c.l. ....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05¼- —
l.c.l. ....lb. .05¾- —
bbls., c.l. (20 tons)....lb. .05¾- —
l.c.l. ....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. ....lb. .05¾- —
bbls., c.l. (20 tons)....lb. .05½- —
l.c.l. ....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns....lb. .85 - .95
Toluidin, mixed, dms....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls....lb. .65 - .70
root, bls....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs....lb. .70 - .88
Triacetin, dms....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis....lb. .08½- —
tanks ....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd....lb. .37½- —
Tricresylphosphate, tech., dms.lb. .25 - —
500 lbs., dms....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works....lb. .20 - —
tanks, works....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns....lb. .54 - .56
dms., dlvd....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., l.c.l., dlvd....lb. .85 - —
Triphenyl phosphate, dms....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs....lb. No prices
Chem. grade, kgs....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .53¼- —
l.c.l., 10 ex dock....gal. .55¼- —
5 ex dock....gal. .57¼- —
wood, dest., dist., dms., dlvd. E. ports..gal. .33 - .35
tanks, dlvd. E. cities....gal. .28 - —
steam-dist., dms., c.l., dlvd.gal. .46 - —
l.c.l., dlvd....gal. .49 - —
tanks, dlvd....gal. .41 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.55 - —
yellow, kgs....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs....lb. .12 - —
Urea-ammonia liquor, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.57.40 - —
bags, same basis....ton.59.40 - —
Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls....lb. .16 Nom.

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls....lb. .35 - .37
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works....lb. 1.10 - —

Sorbitol—Whiting

Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins....lb.10.50 Nom.
cuts, tins....lb. 9.50 Nom.
South American, tins....lb.10.50 Nom.
Tahiti, tins....lb. 5.25 - 5.50
Oleoresin, bots....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins....lb. 2.65 - —
1-lb. tins....lb. 2.75 - —
ex guaiacol, 25-lb. tins....lb. 2.50 - —
5-lb. tins....lb. 2.55 - —
1-lb. tins....lb. 2.65 - —
ex lignin, 25-lb. tins....lb. 2.50 - —
5-lb. tins....lb. 2.55 - —
1-lb. tins....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs....lb. .22 - .28
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works....lb. .15 - —
5 gals., dms., works....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls....lb. .40 - .41
tree ....lb. .19 - .22
Wattle bark, bgs., f.a.s....ton.41.00 -43.00
Extract, solid, bgs....lb. .0460-.04475
liquid, tanks....lb. .05 - —
bbls. ....lb. .05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black....lb. .14 - —
160-165, white....lb. .26 - —
180-185, amber....lb. .17¾- —
180-185, black....lb. .16 - —
180-185, white....lb. .30 - —
Bayberry, bgs....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .43 - .44
cake, cs....lb. .44 - .45
discs, cs....lb. .45 - .46
yellow, crude, Africa, 10-bg. lots..lb. No stocks
1 bg....lb. No stocks
Brazil, bgs....lb. No stocks
refd., slabs, cs., lbs....lb. .39 - .40
Candelilla, bgs., 1 ton....lb. .23½- .24
jobbing lots....lb. .24 - .24½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .70 Nom.
5 bgs....lb. .70½ Nom.
1 bg....lb. .71 Nom.
N. C., 2, bgs., 1 ton....lb. .76 Nom.
N. C., 3, bgs., 1 ton....lb. .70 Nom.
5 bgs....lb. .70½ Nom.
1 bg....lb. .71 Nom.
refined, bgs....lb. .75 - .76
yellow, No. 1, bgs., ton....lb. .77 - .78
5 bgs....lb. .77½- .78½
1 bg....lb. .78 - .79
No. 2, bgs....lb. .76 - .77
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots....lb. .13½- .14
150°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots....lb. .15½- .16
160° m.p., bgs., 1 ton....lb. .15½- .16
jobbing lots....lb. .16½- .17
Japan, cs....lb. .19 - .20
Montan, bgs., c.l....lb No prices
5 tons....lb. No prices
less than 1 ton....lb. No prices
Ouricury, refined, bgs....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs....lb. No prices
74°-76° C., bgs....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs....lb. .24 - .25
cakes, cs....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works....ton.18.00 -22.00
bbls., c.l., works....ton.19.00 -24.00
l.c.l., works....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works....ton.19.00 -23.00
bbls., c.l., works....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works....ton.19.00 - —
bbls., c.l., works....ton.20.00 -21.00
l.c.l., works....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works....ton.21.00 - —
bbls., c.l., works....ton.22.00 -23.00
l.c.l., works....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works....ton.20.00 - —
bbls., c.l., works....ton.22.50 -27.50
l.c.l., works....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh., paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works....ton.13.50 - —
2-4 tons, works....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works....ton.13.00 - —
2-4 tons, works....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works....ton.13.50 - —
2-4 tons, works....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —

Wild Cherry—Zirconium

Wild cherry bark, thick, natural, bls.	lb.	.07 - .08
rossed, bls.	lb.	.05 - .06
thin, natural, bls.	lb.	.07 - .08
rossed, green, bls.	lb.	.10 - .11
Wild indigo root, bls.	lb.	.13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls.	gal.	.44 - .45
leaves, bls.	lb.	.07 - .09
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y.	ton.	24.00 -25.00
80 mesh, same basis	ton.	26.00 -28.00
100 mesh, same basis	ton.	30.00 -32.00
Import, 70 mesh, bgs., ex dock	ton.	No prices
80 mesh, bgs., ex dock	ton.	No prices
100 mesh, bgs., ex dock	ton.	No prices
120 mesh, bgs., ex dock	ton.	No prices
Wormseed, American, bgs.	lb.	.07 - .08
Levant, bgs.	lb.	No prices
Wormwood, bls.	lb.	.60 - .65

X

Xylol (xylene), indus., dms., returnable, works.	gal.	.31 - —
tanks, E. of Omaha, frt. alld.,	gal.	.26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo.	gal.	.26 - —
10°, dms., returnable, works,	gal.	.34 - —
tanks, E. of Omaha, frt. alld.,	gal.	.29 - —
6°, dms., returnable, works,	gal.	.41 - —
tanks, E. of Omaha, frt. alld.,	gal.	.39 - —
8°, dms., returnable, works.	gal.	.48 - —
tanks, E. of Omaha, frt. alld.,	gal.	.46 - —
Xylidin, mixed, dms.	lb.	.35 - .36

Y

Yara yara, cryst., cns.	lb.	1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.52 - .55
bottles, same basis	lb.	.60 - .64
imp., bbls., same basis	lb.	.18 Nom.
Cadmium, CP, import., bxs.	lb.	1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.59 - —
smaller lots, same basis.	lb.	.55 - —
kgs., ton lots, same basis,	lb.	.55 - —
smaller lots, same basis,	lb.	.60 - —
Sulphide, orange, cases, works,	lb.	1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.14½- —

Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Yellow, Dutch, pink, bbls.	lb.	.09 - .11
chrome, bbls., same basis	lb.	1.37 - —
primrose shade, bbls., same basis chrome.	lb.	1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs.	lb.	2.87 - —
smaller lots.	lb.	2.89 - —
Ocher, Amer., golden bbls., works.	lb.	.04½- .06¼
yellow, bbls., works.	lb.	.02 - .02½
French type, bbls., c.l.	lb.	.0345- —
l.c.l.	lb.	.0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import,	lb.	.02475 Nom.
New York (f.o.b.).	lb.	.02¾ Nom.
Philadelphia, for import.	lb.	.02¾ Nom.
San Pedro, San Francisco.	lb.	.0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans.	lb.	.02375 Nom.
New York	lb.	.02⅝ Nom.
Phila., for import.	lb.	.02⅝ Nom.
Portland, Seattle.	lb.	.03½ Nom.
San Pedro, S. Francisco.	lb.	.03 Nom.
ex whse., Balto., Boston, N. Orleans.	lb.	.02723 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis.	lb.	.03⅝ Nom.
New York	lb.	.03 Nom.
Pittsburgh	lb.	.03¼ Nom.
Portland, Seattle.	lb.	.03⅜ Nom.
San Pedro, San Francisco.	lb.	.03¼ Nom.
f.o.b. N.Y., from dock,	lb.	.02¾ Nom.
from whse.	lb.	.03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.,	lb.	.04½- —
l.c.l., same basis	lb.	.05 - —
synth., bbls., c.l., works.	lb.	.06¾- —
l.c.l., same basis	lb.	.07 - —
Persian orange (see O).		
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.17½- —
open order.	lb.	.17½- —
Navy specifications type, contracts.	lb.	.17½- —
open order.	lb.	.17½- —
Yellow dock root, dom., bls.	lb.	.15 - .20
Yellow root (xanthoriza), bls.	lb.	.11 - .13
Yerba santa leaves, bls.	lb.	.09 - —
Yohimbine hydrochloride, viz.	oz.	3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works.	lb.	.20 - —
less than 1,000 lbs., works	lb.	.25 - —
Zinc acetate, tech., bbls., dlvd.	lb.	.15 - .16
USP bbls., 250 lbs.	lb.	.27 - —
kgs., 100 lbs.	lb.	.29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies.	lb.	.12 - —
l.c.l., bgs.	lb.	.12½- —

Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.

Zinc, carbonate, tech., bbls.	lb.	.14 - .16
USP, precip., powd., bbls.	lb.	.32½- —
25-lb. dms.	lb.	.37½- —
kgs.	lb.	.34½- —
Chloride, tech., fused, dms., c.l., works.	100 lbs.	4.25 - —
l.c.l., works.	100 lbs.	4.60 - —
gran, dms., c.l., works	100 lbs.	5.00 - —
l.c.l., dms., works.	100 lbs.	5.75 - —
USP, 100-lb. dms.	lb.	.30 - .31
25-lb. jars.	lb.	.36 - —
solut., 50%, dms., c.l., works.	lb.	.0290- —
l.c.l., works.	lb.	.04 - .04¼
tanks, works.	lb.	.0225- —
Cyanide, kgs., works.	lb.	.33 - .35
Dust, bbls., c.l., dlvd.	lb.	.09¼- —
l.c.l., bbls., dlvd.	lb.	.09¾- —
Iodide, N. F., bots.	lb.	4.54 - —
jars	lb.	4.40 - —
Fluoride, bbls.	lb.	.20 - .25
Metal (see daily quotations in Market report.)		
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd.	lb.	.07 - —
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd.	lb.	.06¼- —
bbls., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd.	lb.	.06½- —
50%, bgs., c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd.	lb.	.06¼- —
bbls., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd.	lb.	.06½- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06½- —
l.c.l., dlvd.	lb.	.06¾- —
bbls., c.l., dlvd.	lb.	.06¾- —
l.c.l., dlvd.	lb.	.07 - —
green seal, bgs., c.l., dlvd.,	lb.	.08¼- —
l.c.l., dlvd.	lb.	.08½- —
bbls., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
red seal, bgs., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd.	lb.	.08 - —
bbls., c.l., dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08¼- —
white seal, bgs., c.l., dlvd.	lb.	.08¾- —
l.c.l., dlvd.	lb.	.09 - —
bbls., c.l., dlvd.	lb.	.09 - —
l.c.l., dlvd.	lb.	.09½- —
imported, gold seal, cks., ex whse.	lb.	No prices
green seal, bbls., ex whse.,	lb.	No prices
white seal, cks., ex whse.	lb.	No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms.	lb.	.10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.	lb.	.24½- .27½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., one ton.	lb.	.27 - —
smaller lots.	lb.	.28 - —
USP, bbls.	lb.	.25 - .27
Zinc, sulphate, cryst., bgs., c.l.,	100 lbs.	3.40 - —
l.c.l.	100 lbs.	4.15 - —
bbls., c.l.	100 lbs.	3.65 - —
l.c.l.	100 lbs.	4.40 - —
flake, bgs., c.l.	100 lbs.	3.80 - —
l.c.l.	100 lbs.	4.55 - —
bbls., c.l.	100 lbs.	4.05 - —
l.c.l.	100 lbs.	4.50 - —
powd., bgs., c.l.	100 lbs.	5.35 - —
l.c.l.	100 lbs.	6.10 - —
bbls., c.l.	100 lbs.	5.00 - —
l.c.l.	100 lbs.	6.35 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd.	lb.	.08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd.	lb.	.08 - —
l.c.l., dlvd.	lb.	.08½- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd.	lb.	.05½- —
calcium pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd.	lb.	.05½- —
magnesium pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd.	lb.	.05¾- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms.	lb.	.24 - .29
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15 - —
l.c.l., works.	100 lbs.	6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾- —
ex whse., Pac. cst.	lb.	.05¾- —
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works.	ton.	75.00 -100 00
white, 98%, grd., kgs., works,	lb.	1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the July 7 issue; the next printing will be in the August 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

Paint Materials Situation

—Continued from page 5

ings of additional shipments from Brazil have let up considerably since April with very little offerings last month; so that I am not willing to subscribe to the estimates being made in some quarters that the imports this year will be anything like 18,000 to 20,000 ton figure circulated. Total improper requirements. Inventory control of zinc oxide will become effective July 1. No one will be permitted to hoard or stock unreasonable quantities of zinc oxide. The rubber industry who are the principal users of lead-free zinc oxide will themselves shortly become subject to regulations as far as crude rubber is concerned. This possibly may have the effect later on this year, to curtail that industry's consumption of zinc oxide. In my opinion the next few months are apt to witness the greatest stringency as far as zinc oxide is concerned. After the government pool and distribution plans have had a chance to work for a month or two, it will naturally function smoother and we will all obtain a better picture of the probable future requirements. Thus with the increased zinc oxide production which is now largely in operation, and the possible curtailment of zinc oxide consumption in some of the industries, may result in a more proper balance between supply and demand than exists at the moment.

In concluding, my suggestions are that you work in as close cooperation as you can with your supplier; give him your true picture, because I find that in the long run honest, frank understanding between supplier and customer does much in eliminating difficulties and misunderstandings. Also work very closely in touch with your own association and committee thereof, who are spending much time and study right now in the matter of paint formulations; in changes that may be necessary because of availability or non-availability of certain raw materials.

Titanium

(From G. A. McCorkle, general sales manager, Krebs Pigment & Color Corporatin)

Barring priorities, the present situation on titanium pigments should remain unchanged over the balance of this year unless further aggravated by increasing demand. It is doubtful whether any considerable plant expansion can be anticipated in the near future because of difficulty in obtaining necessary equipment.

Priorities may at any time disrupt this situation. An adequate supply of ilmenite alone does not guarantee maximum production of titanium dioxide. We are dependent on sulphuric acid, fuel oil and other raw materials, all or any of which may be affected by priorities. Defense needs will be assured in any event. The government is watching titanium very carefully as it is a vital raw material in the steel industry for alloys and welding rods, practically all of which is defense business. Uses less well defined as to defense include linoleum, rubber rayon and others in addition to protective coatings.

Lead, Zinc and Titanium —These three pigments should be considered to some extent in their overlapping relationship. If any one of these should become more critical then the demand on the remaining two would increase at least for certain types of materials. This is one of the many evidences of the interrelationship of raw materials.

Linseed Oil

(From V. A. Acer, vice-president, Spencer Kellogg & Sons, Inc.)

Linseed Oil:—Supplies of linseed oil as far ahead as we can see should be ample. Stocks in the United States are large and there are over 40,000,000 bushels of seed in the Argentine which can be had by the United States if boats are available. The new northwestern crop will reach terminal markets around the middle of August. The extent of this crop will not be known until harvest time. The crop got off to a favorable start and conditions at the present moment look reasonably good so it is possible we will have a total crop as large as that of last year of something over 30,000,000, or say 27,000,000 bushels for crushing. There should be ample crushing capacity to take care of the needs of the protective coating industry which needs may represent 45,000,000 bushels of seed depending of course on the uninterrupted operation of various crushing plants. If any should be taken out of production due to strikes or other difficulties, it might affect things seriously.

Chinawood Oil.—We are very pessimistic regarding supplies of chinawood oil. Even at present prices of over 30 cents per pound, we fear that space which is available for carrying goods from the Orient will be used more especially for the carrying of supplies which may be considered more essential in various defense industries. We fear that with good demand on the part of the varnish trade there will continue so far ahead as we can see to be a deficiency of supplies of this important commodity.

Soybean Oil.—There should be available altogether this coming year a larger supply of soybean oil as present indications point to a larger crop due not wholly to an increased acreage but to government regulations which permit a bigger proportion of the crop to be harvested as beans. The protective coating industry uses probably 10 percent or less of the soybean oil and if they want to use more they will probably have to compete with the edible oil field, that is makers of shortening compounds, margarine, salad oils, etc.

Castor Oil.—Castor oil itself is enjoying the best business it has ever enjoyed due to the big business volume being generally enjoyed. Supplies of castor oil available for dehydrating will not be as large in our opinion as the demand which this dehydrated product will require. We anticipate for a good many months ahead a considerably greater demand than supply for dehydrated castor oil. As to raw material supplies, there are as far as we know plenty of castor beans available in Brazil. Here, as in linseed supplies from the Argentine, it is a question of getting sufficient ocean space to bring the necessary beans to the United States.

Oiticica and Dehydrated Castor Oils

(From M. F. Austin, W. R. Grace & Co.)

The official imports for the first six months of 1940 were 58,470 tons of castor beans. For 1941 we only have the official estimates of the first three months, amounting to 53,137 tons, to which must be added the imports of the second quarter not yet officially available—and we can only calculate from steamer manifests as published in the trade papers amounting to 30,176 tons, which, if correct, would make the total for the first six months of this year 83,313 tons against 58,470 tons the first six months of last year.

Briefly, as I picture it the manufacturers feel that if the buyers sit steady and do not rock the boat manufacturers have every incentive to get the beans—produce, manufacture and sell the oil—and take care of the trade, subject only to their capacity, which is apparently sufficient for present demands, but probably is not sufficient to take care of all the demands for drying oil if there should be no wood oil, perilla oil, oiticica oil, and other things. In other words, the present capacity for manufacturing dehydrated castor oil cannot take care of the entire drying oil trade, but could take care of its expected proportion under existing conditions.

As to oiticica oil, official imports first six months of 1940 amounted to 3,879 tons, whereas in 1941 we have only the official figures for the first quarter amounting to 806 tons, to which must be added the imports for the second quarter, which according to steamship manifests amount to 4,640 tons, of a total of 5,446 tons first six

—Continued on page 39

Industrial Uses of Chemicals and Related Materials

("Where You Can Sell")

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

Betahydroxypropylcellulose

Adhesives

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Waterproof adhesive compositions

Bottling

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (said to improve the anchorage thereto of printing inks and lacquers)

Cellulose Products

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Filaments
Films which are clear, tough, and pliable
Bristles
Self-supporting films

Chemical

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Addition salts with acids

Furniture

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Waterproof adhesives for veneering purposes

Miscellaneous

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds used in making—
Coating compositions useful for various purposes

Rubber

Starting point (Brit. 489668) in making—
Aminoalkyl cellulose compounds in making—
Sizes (solutions in acids) for rayon tire cord (used to improve adhesion to the rubber)

Calcium Hydroxide

(Uses of this material in other industries were given in OPD for June 9 and 16 under the designation, "Hydrated Lime")

Analysis

Neutralizing agent for—
Acids
Reagent in—
Analytical processes involving control and research in science and industry
Source of
Calcium

Chemical

Absorbent for—
Carbon dioxide
Sulphur dioxide
Acidity controller for—
Calcium sulphite solutions (U.S. 1341361)
Chemical liquors and solutions
Adhesion preventer (U.S. 1399845) for—
Calcium sulphate (to keep it off evaporator metal parts)
Catalyst promoter (U.S. 1148570 and 1152930) in making—
Ammonia
Causticizing agent in making—
Caustic potash
Caustic soda
Decomposing agent (U.S. 1466991) for—
Calcium phenolate
Ingredient of—
Lyes
Liberating agent for—
Ammonia (U.S. 1343441)
Neutralizing agent for—
Acetylsalicylic acid (U.S. 1431863)
Acidous solutions
Acids
Neutralizing agent in processing—
Albumen (U.S. 1229919)
Precipitating agent (U.S. 1977560) in making—
Magnesium sulphate
Process material (special) in making—
Acetaldehyde (U.S. 1129542)
Acetic acid (U.S. 1129542, 1178223, and 1485844)
Acetic acid from ethylene and sulphur trioxide (U.S. 1904160)
Acetone (U.S. 1129542, 1196290, and 1202317)
Air, liquefied (U.S. 1326961)
Alcohol (U.S. 1196290, 1202317, and 1253055)
Alkali cyanide (U.S. 1324119)
Alkali hydroxide (U.S. 1260944 and 1463037)
Alkali-earth silicate (U.S. 1256295)
Allyl chloride (U.S. 1477047)
Alum (U.S. 1256605)
Aluminum hydroxide (U.S. 1215351, 1323228, and 1434318)
Aluminum oxide (U.S. 1174795, 1256605, 1262062, 1282222, 1326384, and 1332113)
Aluminum salts (U.S. 1196734)
Aluminum sulphate (U.S. 1174795 and 1214003)
Aluminum sulphate (basic) (U.S. 1256605)
Aluminum sulphite (U.S. 1326384)
Amino compound (U.S. 1407749)
Aminocymene (U.S. 1314920)
Aminophenol (para) (U.S. 1239822 and 1501472)
Aminophenol acetate (para) (U.S. 1501472)
Aminophenol hydrochloride (U.S. 1501472)
Aminophenol sulphate (U.S. 1501472)
1-(4′-Amino-3′-sulphophenyl-5-methylbenzothiazole-4-sulphonic acid (U.S. 1149532)
Ammonia (U.S. 1123584, 1149653, 1202317, 1210598, 1238916, 1266147, 1324979, 1466624, and 1466628)
Ammonium molybdate (U.S.1250063)
Ammonium nitrate (U.S. 1126471)
Ammonium resinate (U.S. 1354575)
Ammonium sulphate U.S. 1155753, 1210598, and 1266147)
Antimony pentasulphide (U.S. 1414836 and 1414837)
Antimony sulphide (U.S. 1415127)
Arsenic (U.S. 1144402, 1146373, and 1163286)
Barium hydroxide (U.S. 1250642)
Barium manganate (U.S. 1453562)
Barium oxide (U.S. 1250642)
Benzoates (U.S. 1458491)
Benzoic acid (U.S. 1332028, 1458491, and 1463190)
Bleaching solution (U.S. 1414039)
Bromothymol blue solution (U.S. 1520891)
Butyric acid (U.S. 1178223)
Decolorizing carbons (U.S. 1250228, 1286187, 1287592, 1308526, 1359094, and 1502592)
Casein (U.S. 1229919)
Catalyst (U.S. 1482740)
Chlorpentane (U.S. 1248065)
Chlorpicrin (U.S. 1327714)
3-Chlorpropene (U.S. 1180497)
Chromium hydroxide (U.S. 1486961)
Chromium-potassium sulphate (U.S. 1486961)
Citric acid (U.S. 1288293)
Copper chloride (U.S. 1207243 and 1319858)
Copper hydroxide (U.S. 1207243 and 1319858)
Copper hydroxide (U.S. 1446314)
Copper sulphate (U.S. 1200534)
Copper sulphide (U.S. 1502213)
Process material (special) in making—
Ethyl alcohol (U.S. 1129542, 1196290, 1202317, and 1332525)
Ethylene oxide (U.S. 1446872)
Formaldehyde (U.S. 1423753)
Formic acid (U.S. 1178223, 1185028, and 1423753)
Glutamic acid (U.S. 1255390)
Glycerin (U.S. 1180497)
Hydrogen (U.S. 1135355, 1173417, 1181264, and 1210598)
Iron arsenate (U.S. 1146373)
Iron molybdate (U.S. 1278408)
Isopropyl alcohol (U.S. 1196290)
Lactic acid (U.S. 1240766 and 1458444; Brit. 400413)
Lactose (U.S. 1500770)
Lead carbonate (U.S. 1265547)
Lead hydroxide (U.S. 1265547)
Nitric acid (U.S. 1200334, 1233564, and 1325168)
Nitrobenzene (U.S. 1325168)
Nitrobenzoates (U.S. 1458491)
Para-aminophenol (U.S. 1239822 and 1501472)
Potassium chlorate (U.S. 1247619)
Potassium chloride (U.S. 1157437, 1234626, 1247619, 1250291, 1320211, 1320212, 1323228, and 1326412)
Potassium cyanide (U.S. 1466624 and 1466628)
Potassium hydroxide (U.S. 1202215, 1247619, 1260944, 1296035, 1302937, 1309744, 1326412, 1329369, and 1501587)
Potassium sulphate (U.S. 1157437, 1161239, 1174795, 1214003, 1302937, and 1320311)
Potassium-aluminum sulphate (U.S. 1174795 and 1256605)
Propionic acid (U.S. 1178223)
Propyl alcohol (iso) (U.S. 1196290)
Sodium aluminate (U.S. 1282222; Brit. 400984 and 404028)
Sodium benzoate (U.S. 1458491)
Sodium carbonate (U.S. 1141639, 1196290, and 1302937)
Sodium cyanide (U.S. 1324119, 1466624, and 1466628)
Sodium hydroxide (U.S. 1152949, 1210726, 1238916, 1249314, 1260944, 1293403, 1293404, 1302937, 1308184, 1312127, 1324920, 1363091, 1363092, 1392814, 1445423, 1463037, 1500993, and 1500994)
Sodium hypochlorite (U.S. 1383224)
Sodium molybdate (U.S. 1250063)
Sodium oxalate (U.S. 1310713, 1466624, and 1466628)
Sodium parabenzenedisulphonate (U.S. 1314138)
Sodium sulphate (U.S. 1210726, 1214003, and 1302937)
Process material in recovering—
Alminum oxide (U.S. 1422004)
Ammonia (U.S. 1253571 and 1459703)

(To be continued)

Diamylamine

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Chemical

Reactant in making—
Corrosion inhibitors for metals
Flotation reagents for ore concentrating processes
Vulcanization accelerators

Dye

Reactant in making—
Synthetic dyestuffs

Fats and Oils

Solvent for—
Oils

Paint, Varnish, and Lacquer

Solvent for—
Oils Resins

Resins

Solvent for—
Resins

Rubber

In vulcanizing processes
Reactant in making—
Accelerators for vulcanization processes

Ethyl-Mercury Oleate

Rubber

Preservative (Brit. 499578) for—
Latex

Isobutyloleylisobutylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

6-Methylgammahydroxypropyl-2-para-acetamido-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) to be—
Trypanocide which is advantageous in being more soluble and less toxic than known 2-styrylquinolinium salts

Methyl-Mercury Phosphate

Rubber

Preservative (Brit. 499578) for—
Latex

Osmium

Chemical

Ingredient of—
Catalytic alloys used in making chemicals
Starting point in making—
Catalysts used in making chemicals
Osmium salts, such as the carbonate, chloride, oxide, nitrate

Electrical

Alloying agent for making—
Electric lamp filaments
Metal for making—
Electric lamp filaments

Fats and Oils

Catalyst in making—
Hydrogenated fats and oils
Ingredient of—
Catalysts used in hydrogenating fats and oils
Starting point in making—
Catalysts used in hydrogenating fats and oils

Metallurgical

Hardener for—
Platinum
Ingredient of—
Welding electrodes

Miscellaneous

Metal for making—
Penpoints

Platinum-Rhodium Alloys

(Alloys containing up to 40 percent rhodium)

Chemical

Catalyst in making—
Nitric acid by the direct oxidation of ammonia

Electrical

Alloy for making—
Electrical furnace resistors (elements)

Glass

Protector for—
Refractory surfaces in conjunction with high temperatures

Miscellaneous

Alloy for making—
Thermocouples
Laboratory ware

Rayon

Alloy for making—
Spinnerets

Uses and Applications of Chemicals and Related Materials

A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5,167 materials
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Petroleum Prospect Puzzles

The Defense Petroleum Coordinator has moved farther toward his purpose of making demand and supply come close to meeting insofar as petroleum and its derivatives are concerned. His latest step is to ask the governors of Eastern States to lead a movement for a 20-percent reduction in consumption of petroleum products. Whether the result will be "Motorless Mondays" and "Fryless Fridays" or a shift or makeshift to other fuels—who will revive motor-fuel alcohol?—remains to be seen.

Meanwhile the coordinator and the petroleum industry and the transportation systems are working hard to keep the home fires and other oil-users burning in the eastern part of the country which has so largely turned from its resources of coal to foster the oilfields of its westerly neighbors in recent years. Tankships are being more heavily loaded. Tankcars are being used to carry oil from pipeline terminals to refining centers, and their use over longer hauls is being advocated—by those who have them or their hauling to offer—to the consternation of OPACS which sees its price-depressing problems complicated by the higher cost of transporting petroleum goods overland—the tankcar rate from the Midcontinent to the Atlantic seaboard is estimated to add at least 3 cents a gallon to the cost of transportation by tankship.

Only the optimistic look for assurance of Winter warmth this year by virtue of the proposed or promoted transcontinental pipelines. The realistic think of the steel required and the working time, and they know that tankships of equal capacity and perhaps less operative cost could be built for less money in far less time. But, neither they nor the official coordinator can foretell how soon any newly provided tankships might be lease-lent to Great Britain.

It is clear that, for some months at least, petroleum products are going to cost more in the East. It is not so clear how much truth there is in the talk of adequate tankcar facilities, or what will be next Winter's supply or price of fuel or solvent.

Something to Use Instead

Tennessee moonshiners, said a speaker at the recent Southern chemurgic conference, would greatly assist the national defense program if they would convert their stills to the production of a basic material required by the plastics industry. The suggested conversion presents an economic problem that is more sociologic than technicologic; but it is not inaptly applicable to the things which must be considered and disposed of in meeting the industrial needs brought into prominence by reason of national defense activities.

The National Academy of Science has made an earnest recommendation to the Office of Production Management with reference to the necessity and the practicability of finding substitutes for tin. This recommendation, as is true of others of similar purpose, does not suggest substitution in new uses as a means of conserving the supply of tin. The defense program apparently must disrupt the economic order in all respects. The relative position of glycerin today and twenty-odd years ago seems to suggest that that necessity is more apparent than real. But, it is too late now to quibble: civilian use of tin—and many other materials—must be curtailed and preferably by substitution.

Plywood as a substitute for sheet metal is among the latest suggestions, one that has a particular appeal because it may offer a better way, than would the attempted conversion of moonshine stills, for getting out of and around the basic materials problems run into in the enthusiastic rush to replace metals and other materials with plastics. It is to be feared, however, that scarcity of suitable veneer wood and of satisfactory adhesive lies not far ahead in the road to expanded utilization of plastic plywood.

One of the most promising fields of helpful substitution is that of using domestic raw materials of lower grade or different characteristics to replace materials previously obtained from other countries. Experience indicates that adaptation of processes is of prime importance in this connection. A recent patent claims that ordinary magnesium silicate will replace meerschaum when mixed with egg white. One phase of this general substitution is the cost of transporting minerals from production points to consumption centers. Somebody is going to benefit mankind immensely by developing a system of hitch-hike freighting over the wide expanses of this often uneconomically centralized country.

—O-P-D—

New Tax Scheme Needed

There is a bill (H.R. 5196) in the present session of Congress designed to establish "a commission of taxation for the United States." The duties of the commission would be to analyze and report upon the many aspects of the multipartite scheme of taxation operative in this country—and to do something toward effecting an improvement. The expectations of the author of the bill in the latter respect are set forth as follows:—

> . . . a program to integrate and unify the entire tax structure of the nation upon a pattern or policy of economic and social concepts consonant with the modern democratic principles of the nation.

No further definition of the concepts referred to is attempted. It is inescapable that even in the final analysis these will be as many in variety as there are members of the committee, which would be composed of two senators, two representatives, a representative of the Treasury Department, another for State government, and a third for local government, a home-owner, an agriculturist, a representative of labor, a manufacturer, a representative of urban real estate, a representative of commerce, and an educator. The commission would labor until January, 1943, and it would have a maximum of $500,000 to work with.

There is and long has been great need to effect improvement in the scheme of taxation with which taxpayers in this country are inflicted. This need is emphasized by every phase of the current process of increasing the Federal revenue so that the exigent needs of defense may be met and the indigent needs of dependents may not be dislodged from their accustomed cushions. Whether the conceptual objective of H.R. 5196 is in keeping with that need depends on the eventuated interpretation of "modern democratic principles," and that cannot be predicated.

One clear indication of the need for a new scheme of taxation is the oft-repeated reference to the influence of current and imminent tax factors on costs and consequently on the prevention of higher prices. There could be no more one-sided argument, because its position is that those who can pass their share of national expense to those who buy their goods should not be prevented from doing so. It is not without understanding that the author of H.R 5196 has included social, as well as economic, concepts in his objective.

—O-P-D—

Government's Stake in Chemicals

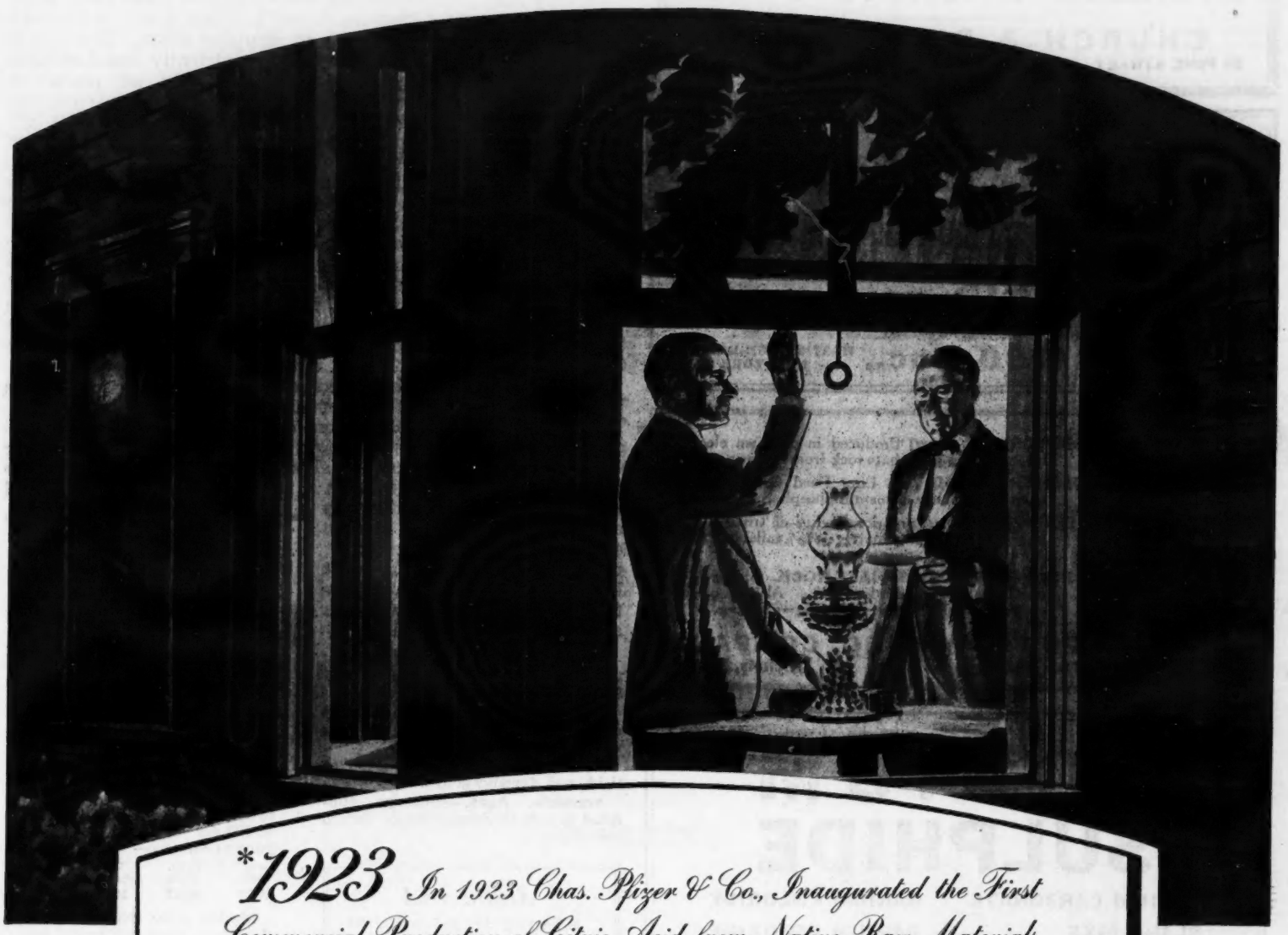
Of $3,061,087,000 applied up to May 31, this year, to the financing of industrial facilities for defense $412,535,000, or approximately 13.5 percent, was applied to the production of chemicals, not including "products of petroleum and coal." The value of chemical production in recent years has been about 6 percent of the total recorded in the census of manufactures. Comparison of the percentages shows the special importance of chemicals in defense.

Recognition by government of this importance is indicated by the fact that public funds provided 86.9 percent of the defense chemical facilities financing compared with 74.8 percent in respect of the total for all industries. But, that comparison has also another connotation —that of a governmental stake in the future of chemical plants which is relatively large. Does this have any particular significance?

Any attempt to forecast the eventualities of governmental subsidizing of facilities for defense production can be nothing more than wild guessing. Any attempt to predict the economic pattern of the next decade is nothing else. The answer in all phases depends on a variety of factors, none of them adequately defined.

One thing alone can be predicated: the extent to which government will move to protect its investment in industrial facilities will depend wholly on the extent to which industry meanwhile has developed utilization of those facilities under whatever may then be normal conditions.

1923* PRESIDENT COOLIDGE IS INAUGURATED



*1923 In 1923 Chas. Pfizer & Co., Inaugurated the First Commercial Production of Citric Acid from Native Raw Materials

¶ Until 1923, citric acid was produced in this country from citrate of lime, which had to be imported from countries growing citrus fruits in quantity. It had long seemed to Chas. Pfizer & Co. definitely unfortunate that a constituent of so many domestic foods, soft drinks and medicinal products, should have to be produced from crude material controlled by a foreign monopoly.

¶ After more than twenty years of painstaking research, Chas. Pfizer & Co. perfected in 1923, a new process for commercial production of citric acid from sugar.

¶ The large-scale production of citric acid made possible by the Pfizer process resulted in higher purity, lower prices and expanding markets. New markets of promise for citric acid today include the plastics, plasters, adhesives, lacquers, inks, varnishes, and many more.

¶ This is only one of many notable achievements in the ninety-year history of Chas. Pfizer & Co. that have made this firm's name known and respected throughout the world.

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Heavy Chemicals

Broad Inquiries Continue With Backlogs Accumulating—Spot Offerings in the Resale Market Leveling Off—Plans Made To Expedite Exports to Latin-America

A broad inquiry continued to characterize business in the market for heavy chemicals last week. Orders were accumulating to such an extent that the heavy backlogs precluded sellers from committing themselves as to shipping dates. Purchasers have learned, however, to place orders sufficiently ahead of time to allow for unavoidable delays. Practically all producers ignored the flow of new business, since direct defense buying, and broader requirements from regular consuming channels, absorbed all available supplies. Spot offerings in the resale market were difficult to find.

Despite the abnormal demand and shortage in many basic chemicals, producers have held contract prices within reasonable levels. The advances, which have occurred in third-quarter contract prices, were moderate, and principally represented higher raw material and production costs. The sharp premiums appeared in the cutside market where second-hands offered limited quantities at substantially higher levels. While no immediate steps seem necessary so far, some consideration has been given to the establishment of a chemical price division within the Office of Price Administration and Civilian Supply.

Definite plans to expedite exportations of scarce materials to Latin America were under consideration by government officials. The plan, which may be worked out in the near future, would call for a priorities quota system setting up export quotas for virtually all commodities, and allocating these quotas among the republics of the South in such a manner as to assure essential industries first call on scarce supplies. It would also involve a simplification of government procedure in obtaining export licenses, raw material priorities, release of foreign funds and allocation of shipping.

Alums.—Shipments steady to regular consumers. Prices unchanged and firm.

Alumina Sulphate.—A firm tone characterized trading, with dealings active.

Ammonia, Anhydrous. — Supplies tight, and demand active.

Ammonia, Aqua. — Business allocated as rule to regular trade. Prices rule firm.

Price Changes

Advanced

Fluorspar, $1. per ton.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
163.8	163.8	159.4	151.4

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.7	108.7	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Acetic Acid

A heavier demand and shortage of raw materials combined to create a tightness for various grades of acetic acid. It is understood that large quantities of carbide have been diverted to the British Government in recent months. Indirectly acetic has been going for defense preparations, substantial quantities used in processing various acetate esters.

A short time ago it was reported that greater utilization of natural gas, which is normally wasted in such states as Texas, could be used for making acetic acid at a reasonable cost. Research is now underway to devise method of conserving the natural gas into acetylene to increase its usefulness. The latest available census figures reveal that production of synthetic acetic acid during 1939 totaled 119,652,650 pounds, against 131,644,596 pounds in 1937.

Effective July 23, the export control administrator will add acetic acid to the list of commodities requiring an export license. Exports in the first quarter this year amounted to 2,446,036 pounds. For the year 1940 exports totaled 1,122,624 pounds, against 1,794,089 pounds in 1939.

A firming up in the price structure was noted recently. Currently 28 percent commercial in car lots is quoted at $3.18 per 100 pounds, compared with $2.23 per 100 pounds at the start of the War. Tankcar price for synthetic glacial 99.5 percent advanced to $6.50 per 100 pounds.

Ammonia Bicarbonate. — Interest routine. Prices underwent no change.

Ammonia Bifluoride.—Market short, offerings limited, shipments lagging. Prices firm.

Ammonia Nitrate.—Defense needs absorbing large portion of output. Market firm.

Ammonia Silicofluoride.—Spot stocks small, offerings limited. Prices firm.

Ammonia Sulphide. — Active inquiry. Market position firm.

Ammoniac, Sal.—A good volume continued, and prices underwent no alteration.

Antimony Metal. — Domestic spot price unchanged. Transactions routine.

Antimony Oxide.—Usual consumers made replacements steadily to keep market firm.

Arsenic. — Demand good. Prices held firm. Resale 6½c. per pound.

Barium Carbonate.—Shipments moved at a steady pace. Prices firm.

Barium Hydrate.—Market tight, and prices firm at recently established levels.

Barium Nitrate.—A good inquiry prevailed, and market position held firm.

Bleaching Powder.—Shipments moved briskly against contracts. Prices rule firm.

Calcium Acetate.—Business on a restricted basis. Prices firm.

Calcium Chloride.—Shipments well sustained. No change occurred in the prices.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Carbon Tetrachloride. — Shipments lag, market position short. Prices firm. Resale 15c. per pound.

Chlorine. — Business on prorated basis. Prices remain the same levels.

Cobalt Oxide.—Selling confined to regular channels for normal needs. Prices firm.

Copper.—Business continues strictly allocated. Prices without change.

Copper Salts. — Selling restricted. Prices unchanged and firm.

Copper Sulphate.—Short condition continues, with selling limited. Prices firm. The United Kingdom advanced export price £1, reflecting higher production costs.

Fluorspar.—Price $1 higher, making domestic No. 1 ground, bulk, $30 per ton; washed gravel, $21, and No. 2, lump, $21 per ton. Demand steady.

Glauber's Salt.—Market light, and inquiries heavy. Prices firm.

Lead Acetate.—Market position is strong, prices unchanged at recently established levels. Steady interest.

Lime.—Shipments continued at good pace for various grades. Prices without change.

Magnesite. — Good inquiry, selling confined to regular consumers for normal needs. Prices firm.

Manganese Dioxide. — Withdrawals steady against contracts. Prices remain firm.

Nickel Salts.—Short supplies restrict business, and offerings strictly allocated. Prices firm.

Phosphorus, Red.—Steady call for regular channels. Resale for Red 76c. to 82c. per pound.

Potash Carbonate.—Spot stocks are small, offerings confined to regular contracts as a rule. Prices firm.

Potash, Caustic. — Tight situation continues. Prices firm. Resale 10c. per pound.

Potash Chlorate. — Demand steady. Prices firm at recently established levels. Resale 31c. to 32c. per pound.

Potash Metabisulphite. — Market is tight. Prices in outside market 19c. to 25c. per pound.

Potash Permanganate.—Prices firm at higher levels established recently. Business strictly confined to regular contract consumers.

Salt.—Good volume of business reported. Market position firm.

Saltcake. — Shipments moved at a steady pace. Prices firm.

Saltpeter. — An active inquiry remained in evidence. Quotations firm.

Soda Acetate.—Demand heavy, market tight. Prices unchanged and firm.

Soda Ash.—A broad movement continued against contracts. Prices rule firm.

Soda Bicarbonate.—Business moderately active. No change disclosed in the prices.

Soda Bifluoride.—Market short, selling restricted. Prices firm.

Soda Bisulphite.—Steady movement. Quotations remain firm.

Soda, Caustic.—Market position continues to firm, and commitments heavy.

Soda Chlorate. — Steady demand from regular channels. Pricewise a firm tone prevailed.

Soda Cyanide.—Active buying. No change occurred in the prices.

Soda Fluoride.—Prices well stabilized at higher levels. Good inquiry.

Soda Hydrosulphite. — Shipments steady to regular consumers. Spot offerings small, resale 33c. to 34c. per pound.

Soda Metasilicate. — Withdrawals good, and market displayed firmness.

Soda Nitrite.—Replacement buying was steady, and prices underwent no change.

Soda Phosphate.—Consumers bought steadily against contracts. Market position firm.

Soda Pyrophosphate.—A tighter situation prevailed, with business brisk. Prices firm.

Soda Silicate. — Business broad. Prices remain at previous levels.

Soda Silicofluoride.—Supplies limited, spot offerings small. Resale 15c. to 17c. per pound.

Soda Sulphide. — Market position strong, and buying steady. Resale, flake, 4¾c. to 5½c. per pound.

Strontium Salts.—A good inquiry and firm price tone characterized the trading.

Sulphur, Refined.—An active interest came from commercial consuming channels. Pricewise a firm tone predominated.

Tetrachlorethylene.—Market tight, offerings restricted. Prices firm.

Tin Salts.—Some sellers allocating business, shortage of raw materials limiting production. Prices remain unchanged and firm. Straits metal quoted at 53¼c. per pound.

Zinc Sulphate.—Sellers supplying normal requirements against contracts. Prices firm.

Acids

A heavy influx of orders reached the market for acids last week. Sellers in a good many instances were forced to turn down all new business, and allocate available supplies among regular consuming trade. Many acids continued in a tight position, with definite shortages noted in some materials. Prices underwent no additional changes, and the tone was firm.

The director of the OPM placed chromium under full priority control so as to build a stock pile and meet the threat of a shipping shortage. Chromic acid will be affected by this ruling. Monthly deliveries of chromium for use in the manufacture of chemicals must be limited to the average monthly consumption of the processor over the twelve months through June, 1941.

Battery.—Shipments steady. Prices unchanged and firm.

Chromic.—Chromium placed under full priority and deliveries for chemical processing limited to average monthly consumption. Demand steady and prices firm.

Formic.—Market tightening, and demand active. Resale 19c. per pound including carboys.

Gallic.—Prices firm at recently established levels. Demand moderately active.

Hydrofluoric.—Good call. Pricewise a firm tone prevailed.

Nitric.—Defense needs absorb large quantities to keep market in firm position.

Oxalic. — Market tight. Offerings limited. Resale 32c. to 34c. per pound.

Sulphuric.—An active demand continued, with sellers confining business to regular contracts. Prices unchanged and firm.

Tannic.—Technical quoted at 66c. to 68c. per pound, an advance of 12c. Steady inquiry.

Baltimore, July 9.—The situation as to sulphuric acid remains unchanged, with the producers still reporting that their contract requirements suffice to take up the entire output, leaving no margin for extra-contract business, which could be done at handsome advances over the nominal figures of $12 per ton for 60-degree and at $15 per ton for 66-degree acid. For similar reasons the nominal quotation on oleum remains unchanged at $17 per ton, this product being used not only for agricultural purposes, but also in the production of smokeless powder and TNT.

Insecticides

Interest was not very extensive in the market for agricultural insecticides and fungicides last week. Business followed a normal seasonal trend. New business was light as the active consuming season for most materials is virtually finished. No new price movements developed, and the tone remained firm.

Calcium Arsenate.—Business moderate. Prices lacked change and tone held firm.

Lead Arsenate.—Seasonal influences restricted new business. Prices firm.

Nicotine Sulphate.—A fair interest prevailed. No change occurred in the prices.

Continental Can Directors Visit Syracuse Plant

Headed by Carle C. Conway, chairman of the board, and J. F. Hartlieb, president, a party of Continental Can Company directors departed last week to inspect the company's plants and laboratories at Syracuse, N. Y. Visits were made previously to plants at Chicago, Baltimore, and on the Pacific coast.

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DIAMOND ALKALI COMPANY PITTSBURGH, PA. AND EVERYWHERE

U. S. Lead Azide Plant To Cost $32,079,967

The War Department today supplemented the original contract for construction of a lead azide plant at Joliet, Ill., bringing the total estimated cost up to $32,079,967. The plant will be operated by E. I. du Pont de Nemours & Co., Wilmington.

Norton, of American Cyanamid, Marks Ninetieth Birthday

Thomas H. Norton, dean of employees of the American Cyanamid Company, celebrated his ninetieth birthday on June 30 at the home of his son, Robert Ames Norton, in White Plains, N. Y. Dr. Norton is still actively engaged in translating and searching of scientific literature at the company's Stamford (Conn.) research laboratories. He joined American Cyanamid in 1930.

National Can Corporation, McKeesport, Pa., has elected H. O. Berryman and P. H. Schmitz vice-presidents.

Lad Chemicals, Inc., this city, has filed a certificate of voluntary dissolution in the office of the New York Secretary of State.

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio
Successors to The J. H. R. Products Co. *Send for informative booklet*

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CHARCOAL HARDWOOD or WILLOW
KILN BURNED FORKED LUMP GRANULAR POWDERED
ALABAMA CHARCOAL COMPANY
Division of THOMPSON HAYWARD CHEMICAL COMPANY
KANSAS CITY, MO.

FORMIC ACID
85% AND 90% STRENGTHS
Noted for its purity, uniformity, and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphuric acid, sulphur-bearing compounds, and chlorides.
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BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR TEXTILE STRIPPER : CARBON BISULPHIDE
Stauffer CHEMICALS SINCE 1880
STAUFFER CHEMICAL COMPANY
SAN FRANCISCO, CAL. 420 LEXINGTON AVE., NEW YORK CHICAGO, ILL.

Chemical Control In Germany

—*Continued from page 3*

Boron minerals (calcium borate, kernite, rasorite, etc.)
Cadmium compounds
Caffeine
Camphor, natural and synthetic
Candelilla wax
Carnauba wax
Cinchona bark, industrial and pharmaceutical
Cobalt compounds
Drugs (the trade is asked to communicate with the Reichstelle Chemie as regards the materials in this classification)
Gallic acid
Hide glue
Iodine
Iodoform
Iridium compounds
Japan wax
Lanolin
Lithium minerals
Manganese ore
Mercury compounds
Molybdenum compounds
Monazite sand
Nickel sulphate
Opium, crude
Osnium compounds
Palladium compounds
Phosphate, crude
Phosphorus
Phosphorus salts
Pine oil
Pinewood oil (distinctively distilled)
Platinum compounds
Potassium iodide
Pyrites
Radium
Radium concentrates
Radium salts
Resins, gums, and balsams (No. 97 a-g of the lists of materials set up by the state)
Rhodium compounds
Ruthenium compounds
Silver nitrate
Sodium iodide
Spermaceti
Strontium minerals
Sulphur
Tall oil
Tall oil distillates
Tannin
Tin compounds
Tungsten compounds
Turpentine oil
Vanadium compounds
Zircon compounds
Zircon metal
Zircon sand and other zircon minerals

Classification II

Acetaldehyde
Acetic acid (except fermentation)
Acetic anhydride
Acetone
Acetylcellulose
Activated carbon
Aluminum chloride
Aluminum oxide and hydroxide
Aluminum sulphate
Ammonia, anhydrous
Ammonia, aqua
Ammonium nitrate
Amyl alcohol
Anilin (anilin oils)
Anilin salts
Anthracene
Antimony oxide
Antimony sulphide
Argols
Arsenic compounds, except arsenic acid
Arsenic metal
Benzylcellulose
Bismuth compounds
Blood albumen
Bromine
Butyl alcohol
Calcium carbide
Calcium chloride
Calcium tartrate
Carbon bisulphide
Carbon tetrachloride
Caustic potash
Caustic soda
Celluloid
Cerium oxide
Charcoal
Chlorates
Chlorine
Chlorobenzene
Chloroform
Chromates
Chrome alum
Chromic acid
Chromium hydroxide
Chromium oxide
Chromium sulphate
Chromium-containing tanstuffs
Citric acid
Citric acid salts
Cold-setting glues
Conifer oils (No. 353, state materials list, except turpentine oil and pine oil)
Copper
Coumarone resins
Cresol
Diglycol
Dimethylanilin
Dipentene
Diphenylamine
Essential oils (No. 353 b-c state materials list)
Ethyl ether
Ethylcellulose
Ethylene
Ethylene oxide
Fertilizer materials, nitrogenous and synthetic
Flourine compounds
Formaldehyde
Formic acid
Formic acid salts
Gas-purification mass, used
Gelatin
Glauber's salt
Glues, all types
Glycol
Guanidin
Hexochloroethane
Horn, artificial
Hydrogen peroxide
Hydroquinone
Lactic acid
Lactic acid salts
Lead compounds
Lithium salts
Manganese, artificial
Manganese chloride
Methanol
Methylcellulose
Motion-picture film, unexposed
Muriatic acid
Naphthalene
Nickel compounds (except nickel sulphate)
Nitric acid
Nitrocellulose
Oleum
Oxalic acid
Oxalic acid salts
Oxygen
Pentaerythritol
Perchlorates
Phenol
Phenylamine
Phosphoric acid
Phosphoric acid salts
Phosphorus
Phosphorus compounds
Photographic film, unexposed
Photographic paper, unexposed
Photographic plates, unexposed
Phthalate resins
Phthalic acid
Phthalic anhydride
Phthalic acid ether (palatinole)
Plastic compositions containing synthetic resins
Potassium bromide
Potassium carbonate
Potassium nitrate
Potassium perchlorate
Propyl alcohol
Pyridin
Radioactive materials not specifically indicated in classification I
Resin glues
Resins, synthetic, nonhardening, hardening, liquid, or solid
Resorcinol
Phenania phosphate
Sal soda
Silicon carbide
Soda ash
Sodium bicarbonate

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Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, NEW YORK

Sodium bromide
Sodium carbonate
Sodium chlorate
Sodium perborate
Sodium perchlorate
Sodium sulphate, anhydrous
Sodium sulphide
Strontium compounds
Sulphur dioxide
Sulphuric acid
Superphosphate and mixtures
Tartaric acid
Thomas phosphatic slag
Tributyl phosphate
Trichloroethylene
Tricresyl phosphate
Triglycol
Urea
Wine lees

Classification III

Acetylene
Calcium phosphate
Carbon dioxide, compressed or solid
Cellulose lacquers
Hydrofluoric acid
Hydrogen, compressed
Nitrogen, compressed
Sodium bisulphate
Sodium bisulphite
Sodium sulphite
Sodium thiosulphate
Sulphite liquors
Zinc chloride

Chromium Under Full Priority Control

—Continued from page 3

ferro-chromium being between 60 percent and 70 percent pure chromium. About 75 percent of the ore is used in the steel industry, both for alloying purposes and for use in refractory materials for furnaces.

Chromium Defined

The general preference order today left defined chromium as follows:—

(1) Ores or concentrates containing chromium (commercially recognized);

(2) The element chromium in pure form, ferro-chromium, and other combinations with other elements in semi-manufactured or unmanufactured form, prepared for consumption in the manufacture of steel, in the form of briquettes or otherwise;

(3) All chemical combinations having chromium as an essential and recognizable component;

(4) Those products containing chromium known commercially as refractory bricks or refractory material;

(5) All scrap or secondary material containing chromium as defined above.

The order issued today has five main points:—

(1) That all defense orders carry a preference rating of A-10 unless higher ratings are specifically assigned.

(2) That monthly deliveries of chromium for use in the manufacture of chemical products must be limited to the average monthly consumption of the processor over the twelve-month period July 1, 1940-June 30, 1941.

(3) That deliveries by processors of chromium for refractory material can be made only under defense orders or for necessary maintenance and repairs, except when the Director of Priorities provides otherwise.

(4) That, after the satisfaction of defense orders and all other terms of the order, deliveries for non-defense purposes may be made.

(5) Provides for restrictions against the building up of excessive inventory.

Chemical Warfare Plant In Huntsville, Ala.

OPD Washington Bureau
July 8, 1941

The War Department announced today the selection of Huntsville, Ala., as the site for the construction of an ordnance assembly plant to be operated in conjunction with the Chemical Warfare Service arsenal, which will be located about eight miles southwest of Huntsville. The new plant will be built at a cost of about $6,000,000.

More Pictures of Piedmont Textile Outing

Mrs. H. E. Kiefer, jr. (Mr. Kiefer is purchasing agent for the Ware Shoals Manufacturing Company, Ware Shoals, S. C.); Norman A. Ruston, division sales manager, Emery Industries, Inc.; Mrs. Clifford W. Sampson; Clifford W. Sampson, technical representative, Emery Industries, Inc.; Erwin G. Walker, sales representative, Calco Chemical Division, American Cyanamid Company; Mrs. Joe L. Moore (Mr. Moore is Southern manager for Calco Chemical Division); R. E. Sumner, sales manager, Calco Chemical Division; Samuel I. Parker, general sales manager, Ciba Company; T. W. Church, general manager, Highland Park Manufacturing Company, Charlotte, N. C., vice-chairman, Piedmont A.A.T.C.C. section; Mrs. T. W. Church; Mrs. L. M. Boyd; L. M. Boyd, Southern representative, Scholler Brothers, Inc., chairman, Piedmont A.A.T.C.C. section; R. D. Howerton, technical representative, Calco Chemical Division, American Cyanamid Company, treasurer, Piedmont A.A.T.C.C. section; Mrs. R. D. Howerton.

Photographs by courtesy of Robert W. Philip, Editor, Cotton (Serving the Textile Industries), Atlanta

AMMONIUM CHLORIDE
(SAL AMMONIAC)
FINE WHITE FINE GRAY
CARLOADS - TRUCKLOADS
BARRELS OR BAGS
Manufactured by
PITTSBURG COKE & IRON COMPANY
R·W·GREEFF & CO.
10 ROCKEFELLER PLAZA,
NEW YORK CITY

Are You This Chemical Jobber?
If so, there is an important distributorship awaiting you, of Pittsberg Methyl Bromide, the fumigant with these 10 essentials.
1 • Exclusive new Pittsberg process gives higher purity, guaranteed clear and water-white.
2 • High Toxicity for both undeveloped and adult insect life, under widely varying conditions.
3 • Non-Flammable over a wide range of concentration far beyond those used in practice.
4 • High Penetration so that every portion of the room and contents will be reached.
5 • Low Absorption and Adsorption — so slight it will not be a factor. No residual odor or taste.
6 • Quick acting.
7 • Non-Corrosive to metals.
8 • Adaptability to a wide range of products, including tender food and plant products.
9 • Convenience — Packed in 1 lb. to 120 lb. quantities. Easy to apply.
10 • Economy as compared to other fumigants in amounts required to give comparable results.
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Other Pittsberg Products:
Refrigerants (Methyl Chloride, Methylene Chloride, Sulphur Dioxide, Kinetic Chemicals, "Freon 12") • Sulphur Dioxide (commerical) • Sodium Bisulphate (granular) • Hydrobromic Acid, Potassium MetaBisulfite.

PURE VITAMINS PRODUCED BY *Chemical* SYNTHESIS

IDEN

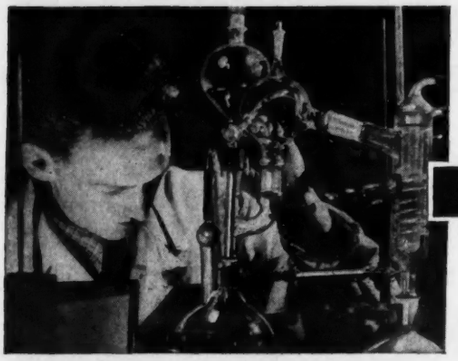
CHEMICALLY A

Vitamins produced by ch

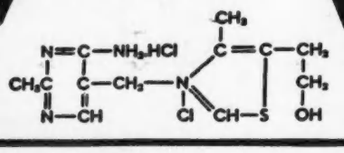
from natural sources are che

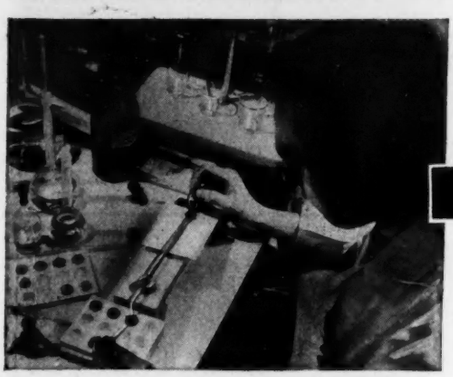
By rigidly controlled laboratory synthesis—at low cost

From natural sources—by extraction and purification

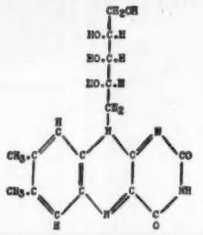


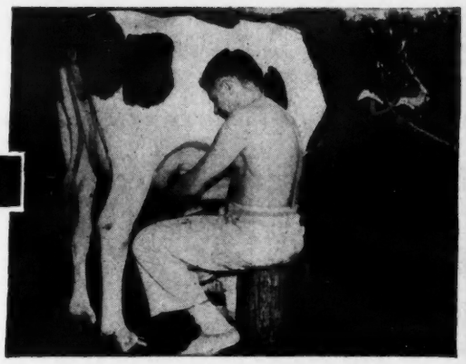
THIAMINE HYDROCHLORIDE (VITAMIN B_1)



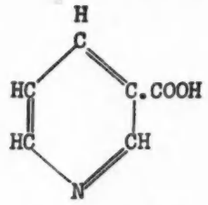


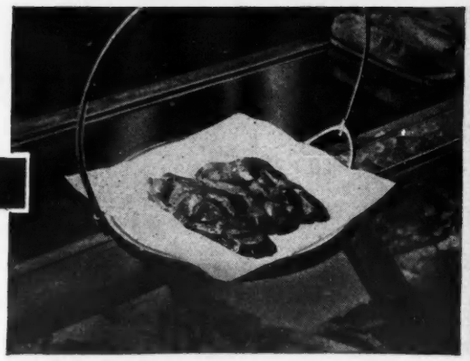
RIBOFLAVIN (VITAMIN B_2)





NICOTINIC ACID





MERCK

PURE VITAMINS

Discoveries and advances in the vitamin field made by Merck Chemists and their collaborators have continually emphasized the outstanding rôle played by Merck & Co. Inc. in the development of this therapeutically important line.

The accompanying historical review dramatically portrays the contributions of Merck & Co. Inc. in making available many of these essential factors in pure form:

VITAMIN B_1 CRYSTALS MERCK (*Thiamine Hydrochloride U. S. P.*)
Synthesized in the Merck Research Laboratories in 1936. Made available in commercial quantities during 1937.

ASCORBIC ACID MERCK U. S. P. (*Vitamin C*)
Made available in 1934.

NICOTINIC ACID MERCK U. S. P.
Made available in commercial quantities during 1938.

RIBOFLAVIN MERCK (*Vitamin B_2*)
The second pure crystalline vitamin to reach commercial production during 1938.

ALPHA-TOCOPHEROL MERCK (*Vitamin E*)
Identified and synthesized by Merck chemists and their collaborators in other laboratories in 1938. Made commercially available during 1940.

VITAMIN B_6 HYDROCHLORIDE MERCK (*Pyridoxine Hydrochloride*)
Synthesized in the Merck Research Laboratories in 1939. Made available in commercial quantities in 1940.

2-METHYL-3-PHYTYL-1, 4-NAPHTHOQUINONE (*Vitamin K_1*)
Made available in commercial quantities in 1940.

2-METHYL-NAPHTHOQUINONE MERCK (*Vitamin K Active*)
Became available in commercial quantities during 1940.

CALCIUM PANTOTHENATE DEXTROROTATORY MERCK
Physiologically active form of Pantothenic Acid. Made commercially available by Merck & Co. Inc. in 1940. Pantothenic Acid was previously identified and synthesized by Merck chemists and their collaborators in 1940.

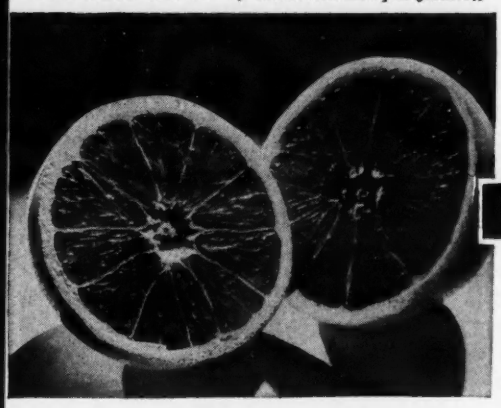
ICAL

BIOLOGICALLY

l synthesis or extracted
ly and biologically identical

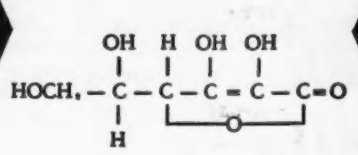
PURE VITAMINS DERIVED FROM *Natural* SOURCES

From natural sources—by extraction and purification

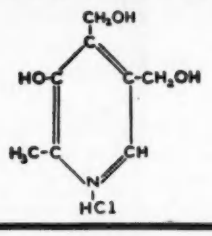


By rigidly controlled laboratory synthesis—at low cost

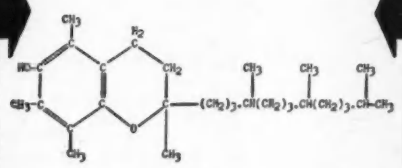
ASCORBIC ACID
(VITAMIN C)



VITAMIN B_6 HYDROCHLORIDE



ALPHA-TOCOPHEROL
(VITAMIN E)



THE identity of pure vitamins produced by chemical synthesis, and pure vitamins derived from natural sources—in chemical composition, physiologic function, and physical characteristics—is definitely and authoritatively established.

With vitamins commercially available as pure substances, it is possible to formulate desirable vitamin combinations with consummate ease. By using these *pure chemicals of known and uniform potency*, the proportions of the individual vitamins can be readily adjusted to meet the pharmaceutical manufacturer's specific requirements. It is only through the use of these pure vitamins that the high dosages indicated in severe deficiency states can be provided.

Active in the manufacture of pure vitamins ever since the first of these (Ascorbic Acid) was synthesized, Merck & Co. Inc. has consistently maintained its leadership in the development and commercial production of these vitally important substances.

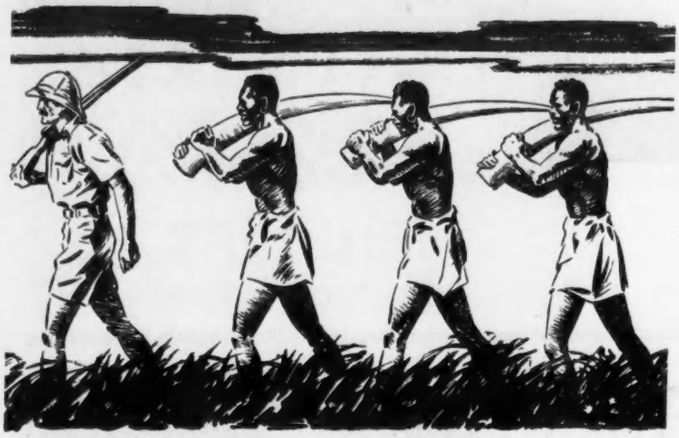
The Merck technical staff and laboratories are prepared to serve customers in manufacturing problems involving the addition of pure vitamins to their products.

We invite you to write us.

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York • Philadelphia • St. Louis • In Canada: Merck & Co. Ltd., Montreal and Toronto

TO THE SUDAN FOR IVORY...



TO BARRETT FOR COAL-TAR CHEMICALS

PHENOL
CRESOLS
CRESYLIC ACIDS
XYLENOLS
TAR ACID OILS
NAPHTHALENE
(Industrial and household)
PHTHALIC ANHYDRIDE
CUMAR*
(Paracoumarone-Indene Resin)
RUBBER COMPOUNDING MATERIALS
COAL-TAR BASES
(Pyridine, Quinoline, Picolines, etc.)
PICKLING INHIBITORS
BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT
FLOTATION REAGENTS
ANHYDROUS AMMONIA
HYDROGENATED COAL-TAR CHEMICALS
Cyclohexane 98-100%
Methylcyclohexane 98-100%
Cyclohexanol 98-100%
Methylcyclohexanol 98-100%
Cyclohexanone 98-100%
Methylcyclohexanone 98-100%

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Coaltar Chemicals

Buying Continues Active — Benzol Position Stronger — Heavy Demand for Tar Acids and Phthalic Anhydride—General Tightness Prevails for Intermediates

An active buying interest continued in the market for coaltar chemicals last week. The defense program absorbed large quantities of materials directly and indirectly, which created a generally tight situation. Shipments to regular contract consumers proceeded as well as could be expected. The constant appearance of priority and preference rating interrupted the normal trend of business. Price movements were absent as contract prices have been set for the third quarter. Market tone was firm.

Benzol position strengthened, reflecting to a large degree the increased consumption of motor benzol. Shipments of toluol remained active under the stimulus of defense buying. A tight situation was still evident in xylol.

Cresols, cresylic acid, phenol and tar acid oils were in heavy demand. A system of allocating available supplies was adhered to by all factors. Shipments of pyridin held steady. A fair amount of replacement buying continued for creosote oil.

A general tight situation existed for most intermediates. Heavy withdrawals of anilin oil left the market in a short position. Phthalic anhydride remained in short supply. Anthraquinone, benzaldehyde, betanaphthol, dimethylanilin, dinitrobenzene, dinitrotoluene, monochlorobenzene, nitrobenzene, orthocresol and orthodichlorobenzene moved steadily, and business was usually limited to regular channels for normal requirements.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—A firmer situation continued, while shipments moved steadily against contracts.

Carbazole. — Shipments routine. Pricewise a fine tone prevailed.

Coaltar. — Withdrawals steady to usual channels. Prices underwent no alteration.

Creosote Oil.—A satisfactory amount of replacement buying kept market in favorable position. Prices rule firm.

Cresols.—Business allocated. Inquiries brisk and prices unchanged.

Cresylic Acid.—Demand active for all grades, with shipments pro-rated. Spot stocks of imported small.

Oil, Shingle Stain. — Trading followed a routine course. No change occurred in the prices.

Phenol. — Market position tight, while inquiries remained heavy. Prices held firm.

Pitch, Coaltar.—Call was moderate. Prices held at previous levels.

Pyridin.—A steady buying interest characterized the market. A firm price tone predominated.

Tar Acid Oils.—Market firm, while business remained steady.

Toluol.—Withdrawals active. Prices underwent no change, and tone held firm.

Xylol—A tight situation prevailed, while shipments were steady to regular consuming sources. Prices rule firm.

Naphthalene

Naphthalene has been placed on the critical list. A large amount going into the production of phthalic anhydride, which in turn is used indirectly for defense purpose. The government has not been a direct purchaser of crude but stepped up buying of refined for protection of uniforms. Prior to the War substantial quantities were imported, however, recently shipments from abroad have been confined almost entirely to the United Kingdom. A license is required for export, although very little has been offered in recent years.

Domestic recovery has been steadily expanding with the output of crude and refined (solidifying under 70 Deg. C.) amounting to 159,710,939 pounds during 1940, compared with 104,085,593 pounds in the 1939 year. The residue pitch remaining after the manufacture of naphthalene has presented a problem. Demand for this material is not broad, some producers have made briquets for binding coal dust, and larger amounts are utilized for coatings in pipes.

A steady decline occurred in imports since 1939. During 1940 imported totaled only 6,290,380 pounds, against 41,103,531 pounds in 1939. For the first quarter this year 370,099 pounds were imported, contrasted with 2,072,064 pounds in the like period a year ago. Before the War Germany was one of the largest exporters to this country, followed by Russia and the Netherlands.

Prices remained firm since the outbreak of hostilities. The 74° crude in tanks held at $2.25 per 100 pounds and the 78° at $2.50 per 100 pounds. In August, 1939, refined ball and flake was 5¾c. per pound, and is currently quoted at 7c. per pound.

Chicago Coaltar Bases

Tight market conditions are continuing for most grades of coaltar bases. Inquiries have reflected buyers' wishes to take care of their immediate needs on a fairly substantial scale. Benzol business is reported moderate. Xylol is firm and in good demand. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Demand steady, prices hold firm.

Benzoic.—Withdrawals moderately active from regular channels.

Bronner's. — Replacement buying moderate and prices rule firm.

Cleve's.—Usual consumers exerted a steady interest. Prices unchanged.

Fumaric.—Inquiries and shipments well sustained. Quotations firm.

Gamma.—Shipments moderate and prices remain the same.

H.—Market routine. No change occurred in the prices.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Maleic.—An active demand continued. Pricewise a firm tone prevailed.

Malic.—Transactions steady and market displayed firmness.

Picric.—Brisk inquiry with selling restricted. Prices rule firm.

Salicylic.—Technical grade well taken. Prices unchanged and firm.

Sulphanilic.—Business moved steadily against contracts. Prices underwent no change.

Tobias.—Market held firm while dealings were steady.

Other Intermediates

Alphanaphthol. — Demand steady, selling limited. Prices firm.

Anilin.—Active buying with business allocated. Quotations unaltered.

Anthraquinone.—Shipments moved at a good pace with prices firm.

Benzaldehyde. — Withdrawals of technical steady from regular channels. Pricewise a firm tone predominated.

Benzidin Base.—The call continued steady and market displayed firmness.

Betanaphthol.—Demand brisk. No change occurred in the prices.

Betanaphthylamine. — Commitments moderately active and tone firm.

Diethylanilin.—Market position firm while buying remained good.

Dimethylanilin.—Shipments moved at an active pace. Market strong.

Dinitrobenzene. — Selling usually confined to regular channels for normal needs. Prices firm.

Dinitrochlorobenzene. — Buying steady. Market retained its firmness.

Dinitronaphthalene.—Inquiries well sustained and prices failed to change.

Dinitrophenol.—Business remained steady and prices were firm.

Dinitrotoluene. — Active demand. No new price developments occurred.

Diphenyl.—Steady interest. Prices without change.

G. Salt.—Market a routine affair. Quotations held at same levels.

Metanitroparatoluidin. — Withdrawals moderate and steady. Prices firm.

Metatoluylenediamine.—Market firm, with business restricted to regular channels as a rule.

—Continued on page **34**

Classified Coaltar Dyes Output: 1940

United States production of classified coaltar dyes in 1940 amounted to 104,539,151 pounds, according to the Tariff Commission. Sales amounted to 100,793,143 pounds. A breakdown of production and sales follows:—

Colour index number.		Pounds Production.	Pounds Sales.
17	Spirit yellow R.	69,389	58,883
20	Chrysoidine Y..	420,740	397,110
21	Chrysoidine R..	109,188	142,512
24	Sudan I.....	313,353	295,383
27	Orange G.....	154,576	182,930
31	Amido naphthol red G.....	402,771	394,638
36	Chrome yellow 2G	224,119	167,127
40	Chrome yellow R	67,418	73,065
52	Mordant yellow 4G	265,580	214,556
53	Victoria violet.	87,392	88,667
57	Amido naphthol red 6B.....	306,291	294,247
79	Ponceau 2R....	413,986	370,509
88	Bordeaux B....	140,986	110,910
138	Metanil yellow.	.....	541,693
146	Azo yellow.....	48,414	47,098
151	Orange II.....	1,743,652	1,544,248
161	Orange R.....	226,739	223,881
168	Acid chrome garnet R....	105,972	76,463
176	Fast red A.....	219,818	186,893
179	Azo rubine.....	164,689	160,624
180	Fast red VR...	127,612	121,570
185	Cochineal red..	111,691	96,200
193	Mordant yellow.	.....	39,567
202	Chrome blue black U.....	1,300,780	1,170,438
203	Chrome black T	.....	652,849
204	Chrome black A	95,423	96,918
208	Fast acid blue R	136,338	126,086
209	Fast acid blue B	27,484	25,122
216	Chrome red B..	65,325	71,642
219	Eriochrome flavine A.....	137,394	.....
234	Resorcin brown B	352,031	373,620
235	Resorcin dark brown ...	84,143	85,625
246	Acid black 10B.	1,545,924	1,457,329
252	Brilliant croceise	448,123	375,594
262	Cloth red 2B...	67,002	81,332
274	Milling orange G	36,416	32,856
275	Cloth scarlet G.	.....	2,350
278	Direct fast red 8BL	190,322	154,735
280	Scarlet EC.....	.....	13,519
288	Fast cyanine G.	58,474	71,672
289	Fast cyanine 5R	478,128	532,058
299	Chrome black F	171,949	179,480
307	Fast cyanine black B.....	133,998	162,717
324	Developed brilliant orange GR	.....	57,293
326	Direct fast scarlet	837,016	750,036
331	Bismarck brown	89,466	109,811
332	Bismarck brown 2R	807,834	794,687
346	Direct fast yellow 5GL.....	82,261	83,559
353	Direct fast pink 2BL	21,682	30,178
364	Paper yellow...	222,058	206,690
375	Congo corinth G	363,482	386,731
382	Direct scarlet B	236,926	182,358
394	Direct violet N.	92,604	84,878
401	Developed black BHN	2,741,955	2,458,443
406	Direct blue 2B.	1,464,023	1,345,330
415	Direct orange R	121,385	115,035
419	Direct fast red F	420,563	411,434
420	Direct brown M	506,958	496,877
430	Polar red G....	168,785	128,656
448	Benzopurpurine 4B	840,517	816,354
472	Direct blue BX.	33,660	21,549
477	Direct blue 3B.	215,038	195,589
487	Acid millisg red B.....	61,321	49,557
495	Benzopurpurine 10B	24,988	23,740
502	Direct azurine G	200,194	187,079
512	Direct blue RW	161,936	136,973
518	Direct pure blue 6B	685,805	665,938
520	Direct pure blue	100,499	104,889
539	Direct fast black FF	263,667	302,408
561	Direct brown BT	214,704	189,645
581	Direct black EW	8,482,298	8,016,991
582	Direct black RX	603,441	688,426
583	Direct green ET	229,345	164,584
589	Chloramine green	.....	107,157
593	Direct green B	607,597	634,914
598	Congo brown G.	124,585	133,871
596	Direct brown 3GO	923,399	905,417
598	Congo brown G.	124,858	133,871
606	Direct brown G	13,056	16,214
620	Direct yellow R	434,538	423,096
621	Chloramine orange G.....	130,862	146,727
639	Fast light yellow	335,576	252,502
640	Tartrazine	573,785	551,311
652	Chrome red B .	156,543	140,942
653	Pyrazol orange G	20,657	20,103
655	Auramine	1,122,294	1,108,724
657	Malachite green	351,808	317,770
658	Rhoduline blue 6G	10,235	.....
662	Brilliant green.	.....	77,112
666	Acid green B...	87,915	85,965
667	Fast acid green B	28,523	34,840
671	Acid glaucine blue	478,568	.....
680	Methyl violet and base.....	1,321,677	1,097,669
698	Acid violet.....	243,019	231,153
707	Soluble blue....	.....	59,186
714	Patent blue A..	97,240	.....
720	Erichrome azurol B.....	153,263	123,469
722	Erichrome cyanine R.....	23,021	.....
728	Victoria blue R	.....	2,332
735	Naphthalene green V.....	95,593	.....
737	Kool green S...	139,961	148,155
766	Uranine	4,315	4,686
768	Eosine	52,143	50,539
768	Tetrabromofluorescein (bromo acid)	356,168	.....
793	Phosphine	104,127	133,475
814	Direct fast yellow	398,258	375,046
833	Wool fast blue GL	196,508	172,068
841	Safranine	282,035	271,354
860	Induline (spirit-soluble)	75,342	79,552
861	Induline (water-soluble)	41,746	36,911
864	Nigrosine (spirit soluble)	1,324,849	1,261,519
865	Nigrosine (water-soluble)	1,178,941	1,200,801
909	Cotton blue.....	61,102	68,054
922	Methylene blue.	542,232	489,286
	Sulfur or sulfide dyes, total	21,560,675	21,016,195
	Sulfur black..	14,633,496	14,603,084
	Sulfur blue...	2,469,214	2,346,369
	Sulfur brown.	1,806,099	1,797,812
	Sulfur green..	969,613	774,303
	Sulfur maroon	623,333	497,950
	Sulfur olive..	251,267	231,039
	Sulfur orange	76,891	75,270
	Sulfur tan....	239,073	247,028
	Sulfur yellow.	491,689	443,340
1034	Alizarin red S..	.....	46,942
1053	Acid alizarin blue SE.....	.....	50,086
1054	Acid alizarin blue B.....	634,069	607,397
1078	Alizarin cyanine green E.....	235,364	220,503
1085	Anthraquinone blue black B..	423,252	353,612
1088	Acid antraquinone blue B..	47,322	48,565
1095	Anthraquinone vat yellow GC 12½%	696,687	711,550
1096	Anthraquinone vat golden orange G, 12½%	320,771	331,634
1099	Anthraquinone vat dark blue BO, 25%.....	265,561	253,786
1102	Anthraquinone vat green B and black B, 12½%	641,657	580,293
1104	Anthraquinone vat violet 2R, 12½%	286,555	286,952
1113	Anthraquinone vat blue GCD, 8½%	776,181	841,820
1114	Anthraquinone vat blue BCS, 20%	1,359,155	1,327,088
1118	Anthraquinone vat yellow G, 12½%	253,244	253,868
1177	Indigo, synthetic, 20%	11,133,161	12,009,307
1212	Vat red 3B, 20%	261,305	230,563
1217	Vat orange R, 10%	415,706	434,698

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domestic production of

AMMONIUM THIOCYANATE

[AMMONIUM SULFOCYANIDE]

in large tonnages

Ammonium Thiocyanate (Ammonium Sulfocyanide) is now offered at attractive new prices that make it worth while to investigate widened uses for this material.

Available as crystals with a purity in excess of 95%.

Also as liquor containing 2½-3 pounds of salt per gallon.

Samples and quotations on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 33

Metaphenylenediamine. — A firm price tone continued, with market in tight position.

Monochlorobenzene.—A firm tone characterized the trading. Market position tight.

Nitrobenzene.—Shipments moved steadily against contracts. Prices held firm.

Nitronaphthalene.—A steady call remained in evidence. Pricewise a firm tone prevailed.

Orthoanisidin.—Buying good from usual channels. Prices lacked change.

Orthochloroanilin.—Market firm, and interest remained steady.

Orthochlorophenol. — Transactions moderately active. Prices firm.

Orthocresol.—Prices firm at recently established levels. Selling restricted.

Orthodichlorobenzene.—A good demand continued, with business confined to regular channels.

Orthonitroanilin. — Dealings steady, and prices remain firm.

Orthonitrotoluene.—Inquiries brisk, and market position firm.

Orthotoluidin.—Steady buying. No change disclosed in the quotations.

Parachlorophenol.—Shipments moderately active, and prices without change.

Paranisidin.—A steady movement prevailed against contracts. Prices unaltered.

Paranitroanilin.—Regular consumers made steady replacements to keep market firm.

Paranitrophenol. — Market position firm, and business well maintained.

Paranitrotoluene.—Shipments moved steadily, and prices were firm.

Paratoluidin.—Market in strong position, with selling usually limited. Prices rule firm.

Phthalic Anhydride. — Heavy demand, selling allocated among regular consumers. Prices firm.

R. Salt.—Dealings routine. Prices underwent no change.

Schaeffer's Salt.—Call was moderate and steady. Prices lacked change.

Thiocarbanilide.—Shipments steady. No change occurred in the prices.

Toluidin.—Demand good. Prices retained their firmness.

Xylidin.—The call was broad. No new development took place in the prices.

Coaltar Colors

A steady volume of business continued to characterize the market for various coaltar colors last week. Demand from textile trade continued brisk. Sellers had all they could do to handle domestic business, and showed less interest in accepting export inquiries. Prices continued firm.

Japan is by no means self-sufficient in dyestuffs, and the war in Europe has seriously affected supplies of many high-grade items which were formerly imported principally from Germany. Production of dyestuffs in Japan has increased considerably in recent years. The total output in 1939 reportedly reached 47,479,120 kin, a gain of 30 percent in volume compared with 1938. No data are available for 1940, but in view of the general condition of the chemical industry, it is probable that no increase occurred.

Heads Koppers Tar Sales

G. C. Stephenson

Who was appointed recently to the post of salesmanager of the tar and chemical division of the Koppers Company, Pittsburgh.

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Threehundred-eightyfourth Instalment

Pine Oil

Emulsifiers for Pine Oil

(Continued from July 7 issue)

Ethyl ester of acetylated polymerized ricinoleic acid
Ethyl ricinoleate
Gelatin
Glue
Gum arabic
Gums
Glycerin
Glycol stearate
Glycopon
Hemicellulose
Invadine N
Irish moss
Kaolin
Lecithin
Meta-aminodimethyl-anilin
Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undecylineate
Methylehtyleneglycol monopalmitate
Methylhexalin
Miscibol
Monobutylnaphthalene-sulphonic acid
Naphtha oil sulphonic acid
Naphthenic sulpho acids
Oleic acid
Olein
Pectin
Pectone
Peptide
Polyglycerol
Polysaccharides
Potassium heptylnaphthalenesulphonate
Potassium oleoabetate
Potassium salt of sterylbenzenesulphonimide
Proflex
Proteins
Ricinoleic acid
Rosin oil soap
Saponin
Sludge sulphonate
Sludge sulphonic acid
Soap
Soda sludge
Soda-tallow
Sodium allylnaphthalenesulphonate
Sodium hydroxide
Sodium oleate
Sodium propylnaphthalenesulphonate
Sodium salt of palmitylparatoluenesulphonimide
Solvoil
Starch paste
Stearic acid
Sulphite liquors
Sulphonated vegetable oils
Sulphonated mineral oils
Suspendite
Tannic acid
Tannins
Triosulphonic acids and their salts
Tragacanth
Triamylamines
Triethanolamine
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine stearate
Turkelene
Turkey red oil
Vegetable oils, sulphonated
Zinc salt of sterylparatoluenesulphonimide

Substitutes for Pine Odors

Bornyl acetate
Fenchyl alcohol

Pine Wood

Fireproofing Agents for Pine Wood

Aluminum biborate
Aluminum borate
Aluminum perborate
Aluminum salts
Biborates
Borates
Boric acid
Copper biborate
Copper borate
Copper perborate
Copper salts
Lead biborate
Lead borate
Lead perborate
Lead salts
Perborates
Zinc biborate
Zinc borate
Zinc perborate
Zinc salts

Preventive of Blue Discoloration (Ceratostomella Pilifera) in Pine Wood

Alkali sulphites
Fluorine compounds
Mercury bichloride
Sodium bisulphite
Sodium sulphite

Pharmaceuticals

Flavorings, Natural, for Pharmaceutical Preparations

(Used as the substance or in the form of an extract or the essential oil)

Allspice
Almond, bitter
Anise
Bay leaf
Bergamot
Birch
Calamus
Caraway
Cardamom
Cassia
Celery seed
Chocolate
Cinnamon
Citric acid
Cloves
Cocoa
Cognac
Coriander
Dill
Ethylvanillin
Essence de beurre
Eucalyptol
Fennel
Figs
Fruit juices
Ginger
Honey
Juniper berry
Lemon
Licorice
Lime
Mace
Marjoram
Menthol
Nutmeg
Orange
Orangeflower
Peppermint
Pinetar
Port
Rose
Rum
Saccharin
Sassafras
Sherry
Spearmint
Sugar
Tamarind
Tartaric acid
Thyme
Thymol
Vanilla
Vanillin
White pine bark
Wildcherry bark
Wintergreen

Flavorings, Synthetic, for Pharmaceutical Preparations

Acetaldehyde
Acetate No. 10 and 12
Acetic ether
Aldehyde C 14, 16, 17, 18, 20, and 22
Amyl acetate
Amyl formate
Amyl isovalerate
Amyl propionate
Amyl valerate
Amylbutyric ether
Amylcinnamyl acetate
Anethol
Aurania
Auranyl valerate
Benzaldehyde
Benzoic ether
Benzyl acetate
Benzyl butyrate
Benzyl formate
Benzyl phenylacetate
Benzyl propionate
Benzyl propylacetapte
Benzyl valerate
Benzylisoeugenol
Betanaphthyl ethylester
Bromelia
Butyl acetate, normal
Butyl alcohol, normal
Butyl aldehyde
Butyl anthranilate
Butyl butyrate
Butyl formate
Butyl laurate
Butyl phenylacetate
Butyl propionate
Butyl valerate
Butyric ether
Cinnamyl acetate
Cinnamyl anthranilate
Cinnamyl butyrate
Cinnamyl formate
Cinnamyl propionate
Cinamyl valerate
Citral
Citronellal
Citronellol
Citronellol acetate
Citronellol butyrate
Citronellol formate
Coumarin
Diethyl anthranilate
Dimethyl anthranilate
Ester F
Ethyl acetate
Ethyl anthranilate
Ethyl benzoate
Ethyl butyrate
Ethyl capronate
Ethyl caprylate
Ethyl cinnamate
Ethyl heptoate
Ethyl isobutyrate
Ethyl isovalerate
Ethyl lactate
Ethyl laurate
Ethyl malonate
Ethyl oenanthate
Ethyl pelargonate
Ethyl phenylacetate
Ethyl salicylate
Ethyl sebacate
Ethyl valerate
Ethylmetnyl anthranilate
Eugenol
Formic ether
Frutala oil
Geranyl acetate
Geranyl butyrate
Geranyl formate
Geranyl propionate
Guaiacol acetate
Heptyl acetate
Heptyl formate
Heptyl heptoate
Heptyl valerate
Hexyl acetate

(To be continued)

Dyestuffs, Textile and Leather Chemicals

Chromium For Use in Bichromate Manufacture to Be Limited —Tight Situation Prevails For Tapioca and Sago Flours —Inquiries Exceeding Supplies For a Number of Items

A steady demand prevailed in the markets for dyestuffs, textile and leather chemicals last week. Sellers reported inquiries exceeded supplies in many items, and shipments were restricted to normal requirements. The uncertainty surrounding importations because of a shortage in shipping space prompted sellers to encourage use of substitutes as in the cases of some starches. In contrast to recent weeks, price movements were conspicuous by their absence. The general tone remained firm.

Bichromates and other chromium chemicals will be influenced by the action of the OPM placing chromium under full priority control in order to preserve available supplies. Practically all the raw material is imported, and threat of a shipping shortage would limit importations. As a result monthly deliveries of chromium for use in the manufacture of chemical products must be limited to the average monthly consumption of the processor over the twelve months through June, 1941.

A tighter situation prevailed in tapioca flour and sago because of the limited shipping space from the Far East. Various starches were in good call. Corn derivatives remained active. No new price developments occurred in egg products after several weeks of rising prices. Inquiries for tanning materials were steady.

Chemicals

Alumina Acetate.—Market firm, buying steady from regular channels.

Alumina Chloride.—Tight situation prevails, with inquiries active. Prices firm.

Potash Bichromate.—Priority on chromium will limit supplies of raw material. Demand active. Resale 14c. to 15c. per pound.

Potash Prussiate.—Movement of yellow steady to usual consumers. Prices firm.

Corn Starch

Demand for corn starch has broadened considerably in recent months. Some of the increase could be accounted for by the desire of large consumers to expand inventories. However, purchases by the government for the armed forces has been a factor. The Federal Surplus Commodity Corp. was absorbing some grades, while heavier purchases were looked for under the Lease-Lend program. It is understood the government may soon invite bids for 30,000,000 pounds. The expected drop in tapioca and sago flour shipments from the Far East may influence some consumers to switch to corn starch as a suitable substitute.

Sales of corn starch in 1940 totaled about 830,761,000 pounds, compared with 1,009,500,000 pounds in 1939 year. For the first quarter this year sales were estimated at 290,000,000 pounds, against 202,000,000 pounds in the similar period a year ago.

Exports from this country during 1940 totaled 257,215,002 pounds, against 190,578,034 pounds in the 1939 year. In the first quarter this year exports totaled 58,245,802 pounds, contrasted with 78,960,499 pounds in the like quarter last year. The United Kingdom was by far the largest consumer.

An upward price trend occurred during the past year or more. At the outset of the war, pearl corn starch delivered here was $2.90 per 100 pounds, compared with current quotation of $3.45 per 100 pounds.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
225.7	225.7	205.4	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Soda Bichromate.—Deliveries of chromium limited under priority ruling. Domestic buying heavy, with export inquiries good. Prices firm. Resale 12c. to 13½c. per pound.

Soda Prussiate.—Withdrawals steady from regular channels. Prices remain firm.

Zinc Dust.—Selling restricted. Prices unchanged and firm.

Dyestuffs

Annatto.—Moderate call. Prices underwent no alteration.

Cochineal.—Routine interest prevailed, and prices were the same.

Fustic.—Demand steady. Prices without change and firm.

Hypernic.—Shipments moderately active. No change disclosed in the prices.

Logwood.—Buying held at good levels, while prices remain firm.

Turmeric.—Spot offerings limited, and prices strictly nominal.

Sizing Materials

Albumen, Blood.—Buying steady. Prices firm.

Albumen, Egg.—Domestic prices held unchanged. Inquiries steady.

Corn Sugar.—Active inquiry; shipments good. Prices without change.

Dextrin, Corn.—Bookings at high levels. Prices rule firm.

Dextrin, Potato.—A firm tone characterized trading. Good demand.

Egg Yolk.—No new price developments occurred, while business held steady.

Sago Flour.—Good inquiry; sellers handicapped by shipping difficulties. Prices unchanged and firm.

Starch, Potato.—Prices rule firm, while withdrawals remain steady.

Starch, Rice.—No further change in the prices. Imports affected by lack of cargo space.

Starch, Wheat.—Market firm, while takings were moderately active.

Tapioca Flour.—Tighter situation prevails because of uncertain shipping situation. Business restricted. Prices firm.

Tanning Materials

Chestnut Bark.—Shipments remain steady, and prices firm.

Divi-Divi.—No change in prices, with a good inquiry prevalent.

Gambier.—Prices nominal. Spot offerings limited.

Hemlock Bark.—Withrawals steady against contracts. Prices firm.

Mangrove Bark.—Prices rule unchanged, inquiries steady.

Oakbark.—A good movement continued to regular consumers. Prices were firm.

Quebracho.—Demand brisk. Prices firm at recently established levels.

Spruce Extract.—A firm tone prevailed, while buying was well sustained.

Wattle Bark.—Firmness characterized the market, and buying was fairly steady.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

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MUTUAL BICHROMATES
BICHROMATE OF SODA
•
BICHROMATE OF POTASH
•
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
MUTUAL
NEW YORK, N.Y.
MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue, New York City

Chemical Workers Show Slight Decline

—*Continued from page 3*

Detailed Comparisons

Employment

(100 = 1923-25 average)

	1941. May.	1941. April.	1940. May.
Chemicals	166.4	162.4	136.2
Cottonseed oil, cake and meal	72.0	88.4	63.8
Druggists' preparations	125.2	122.4	118.4
Fertilizers	128.4	178.7	128.8
Paint and varnishes	140.7	137.4	125.9
Petroleum, refined	121.6	120.5	121.8
Petroleum, refined	121.6	120.5	121.8
Rayon and allied products	323.8	317.9	304.3
Soap	91.7	91.6	81.4

Payroll Totals

(100 = 1923-25 average)

	1941. May.	1941. April.	1940. May.
Chemicals	221.7	208.3	161.9
Cottonseed oil, cake and meal	67.5	83.3	56.6
Druggists' preparations	141.8	137.7	128.5
Fertilizers	129.3	176.9	118.1
Paint and varnishes	169.1	157.9	136.3
Petroleum	146.6	142.4	146.8
Rayon and allied products	355.9	342.3	311.4
Soap	125.4	115.6	98.0

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment.		total Payroll	
	1941. May.	1941. April.	1941. May.	1941. April.
Metalliferous mining	78.3	76.6	81.8	76.9
Quarrying and nonmetallic mining	51.3	48.1	53.6	47.0
ducing	60.4	60.8	59.6	57.5
Crude petroleum proing	120.7	117.4	95.6	98.1
Dyeing and clean-				

Average Weekly Earnings

	1941. April.	1941. March.	1940. April.
All manufacturing	$29.10	$29.11	$25.33
Durable goods	33.49	33.50	28.92
Nondurable goods	23.57	23.63	21.49
Chemical, petroleum, and coal products	30.95	30.38	28.99
Petroleum refining	36.64	34.08	35.34
Other than petroleum refining	29.07	28.86	....
Chemicals	34.24	33.93	31.88
Cottonseed oil, cake and meal	15.17	15.15	....
Druggists' preparations	25.12	25.62	....
Explosives	35.66	35.14	....
Fertilizers	17.48	14.88	....
Paints and varnishes	31.57	30.46	29.02
Rayon and allied products	27.54	27.28	26.12
Soap	29.76	28.94	....

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 1.2 percent from April 15 to May 15, and increased 0.2 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 1.5 percent from April 15 to May 15, and payrolls gained 5.0 percent during the same period. The department's index of employment for May 15 was 113.6. The payroll index was 128.7. These indexes are based on the average years 1925-27 as 100.

	Percentages. State.	City.
Drug and industrial chemicals	+2.3	+0.5
Oil products	—0.2	—0.4
Paints and colors	+1.3	+1.5
Photographic and miscellaneous chemicals	—0.2	—0.4

F.T.C. Hits List Of Select Wholesalers

—*Continued from page 5*

spondents' purpose, according to findings, was to restrain the Cash and Carry Stores from purchasing merchandise for resale in the same markets as its competitors, the respondent wholesale dealers in the Milwaukee area. The effect, according to findings, has been unduly to restrain interstate commerce in glassware by glass manufacturers with wholesale dealers in the Milwaukee area.

The commission order directs the respondents to cease and desist from combining, conspiring, agreeing or cooperating among themselves or with others (1) to refuse to sell glassware to any person, partnership or corporation; (2) to cut off the sources of supply of or impede or handicap any person, partnership or corporation in its efforts to obtain glassware supplies for sale or resale in commerce, or to otherwise deprive any person, partnership or corporation of an opportunity to compete in the sale or resale of glassware; (3) to coerce or persuade any wholesaler, retailer or dealer of glassware to refrain from engaging in price competition; (4) to determine or designate who shall be a wholesaler of glassware and who shall not be; and (5) to limit the number of persons, partnerships or corporations who may participate in trade and commerce in glassware, or to limit or proscribe or seek to limit or proscribe the rights of any such person, partnership or corporation to conduct trade and commerce according to its own free will.

Oil Supply for East Gets Attention

—*Continued from page 3*

Meanwhile, the Bureau of Standards, following a series of cooperative tests conducted by experts on the staff of the Bureau and representatives of the American Automobile Association, reported that considerable quantities of gasoline can be saved by making the best possible adjustments on automobiles and other internal combustion engines and by proper driving habits, but added that nothing like the proposed overall 20 percent reduction in consumption of crude oil can be accomplished by this method.

The "W. H. Berg," a 100,000-barrel tanker belonging to the Standard Oil Company of California, and one of three tankers recently diverted from the coast-to-coast run, has completed its first Gulf-to-east-coast voyage. Operating in the Gulf-to-east-coast trade, these three tankers will carry approximately 9,000,000 barrels of crude oil annually instead of the 4,000,000 barrels they were able to transport in the run from California to the east coast.

The diversion of the three tankers was recommended by Mr. Ickes and agreed to by the two companies involved, the Standard Oil Company of California and the Sun Oil Company. Mr. Ickes is now engaged in making a survey of the entire American tanker fleet with the view of increasing its efficiency by the elimination of competitive practices such as crosshauling, and in obtaining quicker turn-arounds.

OPACS Looks at Prices

Foreshadowing the setting of a ceiling on prices of petroleum products, should such action be found necessary, appointment of J. Elmer Thomas, petroleum analyst, Fort Worth, Texas, as advisory consultant in the fuel section of the Price Division, Office of Price Administration and Civilian Supply, was announced by Dr. J. K. Galbraith, assistant administrator in charge.

Mr. Thomas will organize in the fuel section a staff of technical experts drawn from the oil and gas and coal industries. Assisting Mr. Thomas temporarily in his organization work will be Allen F. Hand, Los Angeles, who has been active for many years in the California branch of the oil industry; Alden W. Foster, Pittsburgh, consulting geologist specializing in gas properties; Joseph Gordon, New York, petroleum economist for Fenner & Beane; and Robert N. Moore, Decatur, Ill., a distributor of petroleum products in the Central States.

OPACS Chemical Unit Headed by Keyes

—*Continued from page 3*

of the *Journal of Commerce*, New York. He is managing editor of the *Journal of Marketing*.

Dr. Arthur R. Burns, professor of industrial organization at Columbia University, was appointed special assistant to Mr. Weiner, the division chief. For the present he will supervise preparation of allocation programs in the consumers' durable goods field. Dr. Burns joined Columbia University thirteen years ago and during the past two years has been directing research on the government's electric power policy for the Twentieth Century Fund.

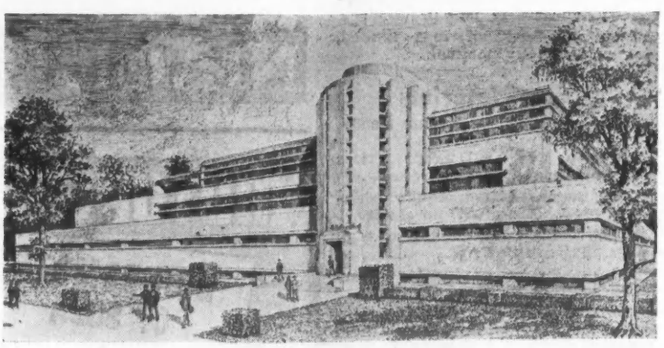
Nathaniel G. Burleigh has been employed to establish and head the general products section, which will develop allocation programs affecting a wide range of commodities. Mr. Burleigh, a native of New Hampshire, has been professor of industrial management at the Amos Tuck School, Dartmouth College, since 1919. Previously he was industrial engineer with the Winchester Repeating Arms Company.

Ben W. Lewis, professor of economics at Oberlin College, has been appointed price executive in charge of the rubber and rubber products section, Office of Price Administration and Civilian Supply, was announced today by Dr. J. K. Galbraith, Assistant Administrator in charge of the Price Division. Dr. Lewis, who is on leave of absence from Oberlin, has specialized in the economics of prices. Until his latest appointment he was chief economist in the Consumer Division of OPACS and previously was chief economist of the Consumers' Counsel Division of the Department of the Interior. During the NRA Dr. Lewis was code supervisor of the Consumers' Advisory Board.

Victor L. Lea has been named principal business specialist with particular reference to fats and oils, as one of the initial executive staff for the food and food products section of the Price Division, Office of Price Administration and Civilian Supply. Mr. Lea has been manager of the commodity department of Fenner & Beane, New York, for eight years and has been teacher of economics and commodity price analysis at the Stock Exchange Institute for eleven years.

President Roosevelt has announced he has accepted the resignation of Leon Henderson as Securities and Exchange Commissioner to allow him to devote all his time to his duties as Administrator of the Office of Price Administration and Civilian Supply.

Searle to Build $1,000,000 Plant



G. D. Searle & Co., pharmaceutical manufacturer, Chicago, plans the erection of a plant in Skokie, Ill., at the cost approximating $1,000,000. The plant to be erected on a five-acre tract owned by the Searle company for several years, bounded on the north by Searle parkway, on the west by Niles avenue, on the east by the Chicago and North Western railroad, and on the south by a private street dedicated, but not cut through. The land not used for building purposes will be landscaped with lawns, flowers, trees, and shrubs, and will contain a recreation field. The entire building, to contain 1,500,000 cubic feet, will be air conditioned.

The floor area of the building will be nearly three times as large as the present plant at 4741 Ravenswood avenue, according to John G. Searle, president, who is third of his family to manage the business founded by his grandfather in 1888.

Pittsburgh Plate Glass Contest Won by Newark

An increase of more than 60 percent in industrial paint sales of the Pittsburgh Plate Glass Company for the first six months of 1941 over the corresponding period in 1940 was revealed today by R. L. Clause, president of the company, in a ceremony at Newark, N. J., marking the end-

ing of a sales contest of the industrial sales department.

The industrial sales department at Newark won the contest and was presented with the "President's Cup." Mr. Clause made the presentation in behalf of E. D. Griffin, vice-president and general manager of the paint division, and Richard P. Hendren, general sales manager of industrial finishes. The cup was received by C. A. Roebuck, salesmanager of the Newark plant.

Mr. Hendren announced that substantial cash prizes were given to three prize-winning sales teams of the Milwaukee industrial paint division. The four-man prize-winning team at Milwaukee comprised R. I. Ogle and M. R. Johnson, of Chicago; H. J. Mather, of Cleveland; and H. L. Gibson, of Grand Rapids, Mich. Other participating divisions were the west coast, Houston, Texas; Ditzler Color, Detroit; and Thresher Varnish, Dayton, Ohio.

Obituaries

James W. Westcott

James W. Westcott, who retired from Hynson, Westcott & Dunning, Inc., pharmaceutical manufacturer, Baltimore, in 1933, died July 3 in that city. He was eighty years of age.

A native of Ohio, Mr. Westcott was graduated from the Maryland College of Pharmacy, now the University of Maryland's school of pharmacy. In 1889 he became a partner in the retail drug firm of Hynson & Westcott, later known as Hynson, Westcott & Co. He spent several years teaching at the pharmacy school but never allowed it to interfere with his development of the company's pharmaceutical division.

Sir William H. Willcox, noted authority on poisons and medical adviser to the British Home Office since 1919, died July 8 in London.

R. A. Cartwright, president of the Clawson Chemical Company, president of the Wood Chemical Distillers Corporation and vice-president of the Manufacturers Charcoal Company, died in his home in Ridgway, Pa., July 2. He was seventy-seven years of age.

George H. Jones, founder and president of both the Hillside Fluorspar Mines and the Pershing Quicksilver Company, and for the past eight years president of the Inland Steel Company, died July 6 at Chicago. He was eighty-five years old.

Dr. Edward Kremers, a leader in pharmaceutical education work and head of the University of Wisconsin school of pharmacy for forty-three years, died July 9 after a short illness. His age was seventy-six.

George P. Roberts, president of the Kentucky Fluorspar Company, Marion, Ky., died July 1 of a heart ailment. He was sixty-six years old.

Horace A. Woodward, chief chemist for Canada Dry Ginger Ale, Inc., this city, died July 5 of a heart attack while vacationing at Orleans, Mass. He was sixty-five years of age.

Crown Drug Company, Kansas City, June sales amounted to $707,942, against $699,797 in the same month last year.

Paint, Varnish, Lacquer Materials

Trend of Raw Paint Materials Business Continues Upward —Many Producers Hampered by Lack of Basic Materials —Casein Advanced—Rosin and Turpentine Firmer

The pace of business in raw paint materials continued to show an upward trend last week, due to ever-increasing defense requirements and private needs arising from expanded trade. In many cases the market was being retarded by producers' inability to obtain raw materials. Small-lot buyers were suffering the consequences in these instances, as regular customers were being shown preference. With May paint sales at an all-time high, and with indications pointing to better business in June, there seems little doubt that 1941 will be a peak year in the industry.

Production of titaniums, lithopone and zinc pigments was being slowed down by the raw material situation and producers were allocating sales. Makers of lead pigments were in a more favorable position, with output little hampered for the time being. Dry colors demand was exceptionally heavy. Contracting for third quarter delivery was proceeding briskly. Carbon black manufacturers were swamped with orders, despite recent price advances. Members of the trade had received no word from Leon Henderson regarding their answers to his request that old prices be maintained.

Casein continued to grow scarcer as more and more milk was being diverted to food use. Stocks of Argentine material in this country were very low and supplies of the domestic continued to dwindle. General advances were made, with further boosts in prices looked for. Southern and local markets for rosin and turpentine had a firmer tone, the trend of prices being upward at times. Offerings were generally light or moderate in the absence of any material increase in offerings. There was a steady contract movement of both rosin and turpentine and new business in the South was sufficient to absorb the daily offerings.

Metallic Lead and Zinc

Demand for lead continued well above the available supply, with July needs now said to be about 80 percent covered, while those for August about 25 percent met. Price remained firm. Demand for slab zinc had as yet failed to be met, with sellers allocating sales. June production amounted to 62,236 tons, against 64,645 in May and 48,213 in June, 1940. Shipments in the month totaled 63,159 tons, against 63,604 in May and 53,935 in June last year. Stocks on hand at the end of June were 8,327 tons, compared with 7,286 at the end of May, but were far under the 72,629-ton total at the end of June, 1940.

Price Changes

Advanced

Casein, dom., 1c. per lb.
imp., Argentine, 1½c. per lb.
Rosin, gum, 13c. to 28c. per 100 lbs.
Turpentine, gum, 3¼c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Casein

The gradual increase in price for casein to 23c. per pound and the shortage of stocks that is developing in the United States reflects shutting off of imports from France and New Zealand; curtailment in supplies from the Argentine because of inability to secure shipping space; greatly increased demand due to defense requirements and expanded paint industry trade; smaller domestic production caused by the diversion of larger quantities of milk to use as food.

In 1940 the United States imported 24,522,520 pounds of casein compared with 15,832,462 in 1939. In the first three months of 1941 imports were 7,318,526 pounds, against 7,663,518 in the similar period of 1940. Although no figures are available, it is known that in recent months imports have been reduced considerably, and stocks of the imported in this country are dwindling alarmingly. Although casein was placed under export control May 6, there is no record of any exports made in recent years.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from July 5 to July 10, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York. E. St. Louis.		£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from July 5 to July 10, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York. E. St. Louis.		£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Demand continued to grow. Shipments were heavy. Price firm and unchanged.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

Our Technical Staff is at Your Service

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

ULTRAMARINE

. . sure cure for blues over blue!

Often challenged—but yet to be bettered—Calco Ultramarine tops the field for virtually every use for blue. Deep, juicy blues—sparkling *white* whites—and the whole range of blue shades in between—are more readily obtained with Ultramarine than with any other blue. Complete control of processing in our own plant assures consistently uniform strength, working properties and fastness to light and alkalis. Special types—each superb for its purpose—for Paper, Rubber, Soap, Linoleum and Textile products. Write today stating your needs for blue and a free sample will be sent to meet your requirements.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY
Boston • Philadelphia • Providence • New York • Charlotte • Chicago

Flake White.—Continued good movement reported. Price steady.

Litharge.—No let up in demand. Consumers coming into the market for large amounts. Prices firm and unrevised.

Lithopone.—Demand heavy, with many producers unable to fill all orders. Regular customers given preference. Prices steady.

Orange Mineral.—Material moving into consumption in large volume. Inquiries brisk. Prices steady.

Red Lead.—Stability of the price of the metal was reflected in the market for this derivative. Demand heavy. Shipments large.

Titanium Pigments.—The exceptionally heavy demand continued to broaden last week. Stocks lower. Producers allocating orders. Prices firm and unrevised.

White Lead.—Demand continued to improve. Prices firm.

Zinc Oxides.—Many prospective consumers were unable to obtain supplies last week due to the tightness in the market. Producers were encountering difficulty in securing raw materials. Sales were curtailed. Prices steady.

Fillers and Extenders

Asbestos.—Continued good movement. Takings liberal. Prices steady.

Asphaltum.—Good buying interest reported. Price steady and unchanged.

Barytes.—Consumers ordering in good volume. Shipments larger. Price steady and unrevised.

Blanc Fixe.—Normal trend in ordering reported. Offerings at previous levels. Prices firm.

China Clay.—Satisfactory movement. Prices unchanged.

Charcoal.—Offerings and demand running ahead of last year. Inquiries fairly large. Price firm.

Diatomaceous Earth.—Good buying interest in all grades, especially the chemically pure material. Purified product moving well. Prices steady.

Fullers Earth.—Material moving in fair volume. Tone stable.

Graphite.—Slightly more interest in offerings. Shipments larger. Prices unchanged.

Gypsum.—Fair call. Quotations firm.

Marble Flour.—Ordering remained at a high peak. New business was improved. Price firm and unaltered.

Mica.—Movement larger. Deliveries heavier throughout the week. Prices unchanged.

Rottenstone. — Fair call. Price steady.

Talc.—Offerings and demand normal. Price unchanged for domestic material. Imported product strictly nominal.

Whiting.—Offerings fewer. Stocks lower. Price firm.

Woodflour.—Domestic grades moving well at unchanged prices. Imported material unavailable with prices withdrawn.

Synthetic Resins

Ester Gum.—Material continued to move out in large volume on contract. There was a slight pick-up in inquiries for future delivery. Actual new business was satisfactory. Price was steady and unchanged.

Chlorinated Rubber.—Fairly good buying interest reported. Prices firm and unrevised.

Dry Colors

Bone Blacks.—Business remained very active. Consumers calling for large-sized lots. Prices steady.

Carbon Black. — Unprecedented heavy demand remained a feature of the market. Producers were swamped with orders and shipments were very heavy. Prices remained firm.

Cadmium Colors.—Producers were moving cautiously in fear of shortage of raw materials. The market was beginning to tighten. Sales were curtailed. Prices steady.

Chrome Colors.—Similar to the cadmium color manufacturers, producers of these materials were faced with a shortage. Chromium is now being regulated by the government and color makers are able to receive only stipulated amounts of the basic material. To date, rate of production has been well maintained.

Iron Oxides.—All colors were in good call. Higher prices, recently instituted, failed to discourage prospective buyers. Red iron oxide was especially active. May exports of the red product from Malaga to the United States totaled 249 short tons, valued at $9.814.

Mercuric Oxides.—Continued good demand. Price advances of 30c. per pound, reported in last issue, failed to discourage buying.

Siennas.—Prices purely nominal. Material from abroad virtually unobtainable.

Umbers.—Imported material scarce. Prices nominal.

Vermilion. — Market tightening. Prices showing strength, but no changes were made. Demand good.

Zinc Yellow.—Good call. Prices steady, following recent advance.

Lacquer Materials

Demand remained at high levels in the market for lacquer materials and solvents last week. Inquiries continued to exceed available supplies for most materials, and sellers were obliged to allocate stocks among regular consuming trade. Acetone moved at an active pace, with material difficult to obtain in the spot market. Effective July 23, acetone will be subject to export license control. Butyl acetate was taken steadily. Dibutyl phthalate was in a short position. Movement of tricresyl phosphate was steady to regular channels; however, sellers restricted buying to normal requirements. No new price developments took place, and the tone was firm.

Acetone.—Demand active. Market remains tight. After July 23 export license will be required.

Butyl Acetate.—Buying steady, with business usually restricted to usual consumers. Prices remain firm.

Cellulose Acetate. — Business moderately active. Prices underwent no change.

Diamyl Phthalate. — Market tight, and buying steady. Prices firm.

Dibutyl Phthalate.—Active demand, market in short position. Prices unchanged and firm.

Ethyl Acetate.—Shipments moved steadily against contracts. Market retained its firm position.

Isopropyl Acetate. — Business restricted, and inquiries brisk. Prices firm.

Tricresyl Phosphate. — Demand active, sellers continued to provide normal needs of regular customers. Prices firm.

Shellac

No further advance in prices for shellac developed last week, but the way to still higher levels spread ahead clearly and it seemed but a matter of time when further rise in import costs would bring a general advance in all local quotations. Demand continued active and the spot market was entirely free from weakness. Little or no competitive shading of prices and no general disposition to accept buyers' bids was reported in local quarters.

Naval Stores

The naval stores situation was featured last week by increased activity and a firmer tone. The improvement in business was not very pronounced but buying interest was stimulated to some extent by developments in other commodities and by the failure of the crop movement to show the increase that had been expected at this stage of the season. Also rumors were current that there was a possibility that the government would enter the market for supplies of rosin and this was not without some effect upon the attitude of buyers, especially as the indications continued to point to an expanding consumption in defense and other lines.

Buying interest was also stimulated to some extent by a report that the government was contemplating an increase in loans to producers on the 1941-1942 production, supposedly for the purpose of stimulating production though confirmation of this rumor was lacking. The movement from the woods to marketing points was disappointing to some and talk was heard in some quarters to the effect that unless receipts showed a considerable increase in the near future there would probably be a further scaling down of estimates of the crop. Present indications, in the opinion of some, point to a smaller production than expected earlier in the year. Lack of sufficient rainfall continued to be reported in some sections and complaints were still heard of a shortage of suitable labor.

There were reports of occasional export inquiries for rosin though actual transactions apparently did not involve quantities of importance. Purchases made in this country in recent weeks for foreign account remain unshipped, it is stated, owing to lack of ocean freight room, and there appeared to be little prospect of any material change in the situation in this respect in the near future.

Turpentine.—A firm tone prevailed in the local market last week, the trend being upward at times in company with developments in Savannah where offerings were readily absorbed. Purchasing here was generally limited to comparatively small or moderate lots for prompt shipment but the movement of such quantities for the week showed an increase over the previous period.

SAVANNAH, July 11.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	38¼	17,300	136	94	12,679
Tuesday	39	20,200	443	110	13,069
Wednesday	39½	8,250	280	144	13,145
Thursday	40½	3,300	145	...	13,290
Friday	41¼	8,950	133	...	13,423

* No trading.

JACKSONVILLE, July 9.—Turpentine stock, 13,145 barrels.

PENSACOLA, July 5. — Turpentine stock, 9,526 barrels.

Chicago—July 11

Inquiry for turpentine has held up well. Both wholesale and retail sections of the market have revealed considerable activity. Movement on orders is described as improved. Ruling prices at the close of business last night were:—Five-drum lots, 50c. per gallon; five wood barrels, 55c.; single drums, 53c.; single barrels, 58c.

Rosin.—No material broadening of business was noted in the local market, but in some quarters an increase was reported in the request for moderate lots of various grades for prompt shipment to consumers and dealers. The market had a firmer tone in company with developments in the South where recepits were lighter than expected and the trend of quotations upward.

SAVANNAH, July 11.—Following is a record of the rosin market for the week:—

	Price per unit	Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.79	$1.79	$1.79	$1.79	$1.79
D	...	1.91	1.94	1.98	1.98	2.15
E	...	1.92	1.95	1.99	1.99	2.15
F	...	1.95	1.98	2.02	2.09	2.25
G	...	1.95	1.98	2.02	2.09	2.25
H	...	1.95	1.98	2.02	2.09	2.25
I	...	1.95	1.98	2.02	2.09	2.25
K	...	1.99	2.01	2.05	2.11	2.25
M	...	2.07	2.09	2.13	2.19	2.30
N	...	2.16	2.18	2.22	2.28	2.28
WG	...	2.31	2.32	2.36	2.42	2.42
WW	...	2.52	2.53	2.60	2.66	2.66
X	...	2.52	2.53	2.60	2.66	2.66
	Barrels					
Sales	...	549	1,132	144	161	81
Receipts	...	1,219	1,411	455	205	213
Shipments	...	2,675	2,344	121	...	...
Stocks	...	...	...	...	...	135,934

* No trading.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

PLYMOUTH
PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 Beekman Street, New York City

ASBESTINE
Reg. U. S. Pat. Off.
FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

S&W Natural Resins
Accroides • Singapore Damars • Congo Gums • Lobo • Batu
Black East Indias • Elemi • Manila • Batavia Damars • Kauri
Pale East Indias • Pontianak
NATURAL RESINS, as raw materials, are as old as the varnish art itself. The resins are available in a continuous series as regards solubility, hardness and color and therefore offer the formulator a wide choice. Some of these resins are processed at our plants, under rigid control. The scarcity of chinawood oil makes the use of certain of these processed naturals particularly desirable now.

THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
"AROCHEM"*—modified types
"AROFENE"*—pure phenolics
"AROPLAZ"*—alkyds
"CONGO GUM"—raw, fused and esterified
NATURAL RESINS—all standard grades
*Reg. U. S. Pat. Off.
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JACKSONVILLE, July 9.—Rosin stock, 307,620 barrels.

PENSACOLA, July 5.—Rosin stock, 36,372 barrels.

Chicago—July 11

A fairly good tone prevails in the rosin market. Trade has been reflecting a somewhat improved interest on the part of buyers. Ruling prices at the close of business last night in five-drum lots were:—B grade, $3.05 per 100 pounds net; G grade, $3.17; M grade, $3.32; W.W. grade, $3.80.

Other Naval Stores

Pine Oil.—Quotations maintained. Tone firm. Trade fairly active.

Pitch.—Spot trade fair. Stocks here reported light. Market firm.

Rosin Oil.—Steady with basic material. Increased request noted in some quarters.

Tar.—Steady movement into consuming channels on contracts. Prices firm.

Driers

Palmitates and stearates continued to be in heavy demand during the week. Some new business could not be accommodated, with producers accepting orders from established customers only. Prices were firm to strong.

Bronze Powders

Continued good demand for all products was reported. Aluminum powders and pastes were moving out in large tonnages. Producers were not offering too freely. All prices were steady and unrevised.

Varnish Gums

Markets both here and abroad were reported very firm during the period under review, following large-scale advances in the week before. The increases were not due to any shortage of supplies in this country, but rather to a fear that further importations may be hampered by tighter shipping facilities.

Glues and Binders

Casein. — Domestic material advanced 1c. per pound to 22½c. to 23c. for carlots of the 20-30 mesh material. Argentine product 1½c. per pound higher at 21½c. Market very tight. Argentine product hard to obtain and stocks of the domestic dwindling. Further advances looked for.

Glues.—Hide and bone glues were very scarce. Producers encountering difficulty in obtaining raw materials. Sales limited. Prices nominal.

Paint Materials Situation: Trigg

—Continued from page 22

months of this year as compared with 3,879 tons first six months of last year. These unofficial estimates for the second quarter are not final (subject to correction) and may possibly contain a number of duplications, so it is well to allow for the probability ports for the year 1940 amounted to only 7,768 tons, and I will feel very happy if these show an increase of 50 percent or anything like 12,000 tons. There is a possibility that the prices which have been consistently high all this crop season will be a strong incentive in getting every available pound of seed out of the interior, crushed, and with the obstacles in the way of shipments to Europe this country will have the advantage of the entire crop production, and if we can get in the neighborhood of 12,000 tons I feel that is about all we can expect. As transportation facilities improve more and more seed can be gathered and shipped from the interior and developed into oil. The potential production of oiticica oil is not limited to anything like 12,000 tons. It is the lack of transportation from the interior which stands in the way of getting the full crop potentially available.

The new crop which will mature for oil arriving here beginning in February-March, 1942, is now in flower but northern Brazil, where this crop grows has experienced a considerable drought this season and I fear that the fruiting will not be as prolific as last year, but it is a bit too early to go into 1942 possibilities. I think by cooperation between the users of oiticia oil and the importers handling it satisfactory contracts—ordinarily about six months in advance would result to the general benefit of the manufacturers, shippers, importers and users of oiticia oil.

Tung Oil

The supply of tung oil is, of course, entirely contingent upon shipping. The Universal Trading Corporation has a substantial stock of tung oil in Rangoon and have arrangements for further supplies to come from the interior. The problem is to get bottoms with which to bring it here. No oil left Rangoon during June. There is some on the high seas now, which should arrive shortly and it is the hope and expectation of Universal that they will get a fairly substantial amount of shipping space during July to bring up their stocks in this country, which have necessarily run down. Universal has continued its policy of prorating oil as equitably as possible and report to us that they do not know of any instances where a manufacturer has not been able to get some tung oil when he actually needed it for production—not for stocking up. We have checked with a number of manufacturers on this point and have not found any one as yet who has definitely suffered because he could not get tung oil to use in spots where he could not use some other replacement product.

Resins

(From A. J. Wittenberg, Stroock & Wittenberg Corporation)

The two important synthetic resins in the coating industry, both for national defense as well as essential civilian use, are the pure phenol-formaldehyde, and the phenol-formaldehyde modified resins, and, of course, the alkyds. There are a number of other synthetic resins but I did not touch on these because I do not think they quite came into the general field.

Of the raw materials entering these two classes, I concerned myself only with those which are critical at the moment, with very little hope of the situation being eased until some time in the future. These are phthalic anhydride and formaldehyde. There also appears on the horizon the fact that phenols will be short. As a matter of fact, this is showing up practically right now, and I might say should be added to the other two as being critical.

There has been an increase in the use of phenol-formaldehyde resins of all types in the protective coating field, due to the shortage of hard drying oils, and these resins have been used as fortifying agents to effect good bodying, quick-drying, toughness, and resistance in the usual tests required of a varnish. The bottleneck came about on the supply of formaldehyde, and we suddenly found that one of the largest producers was required to produce ammonia for the government. This seriously curtailed the supply of synthetic methanol from which formaldehyde is made, but, in my opinion, it is exceedingly doubtful that any additional quanties of methanol will be forthcoming in the near future to take care of the industry.

The phthalic situation is equally as critical as formaldehyde, and, as you are aware, the use of alkyd resins in the past few years has grown tremendously, and they are particularly required, both in direct and indirect defense. A number of the government specifications call for an alkyd resin containing a certain percentage of glycerol phthalate, and its adoption in a number of structural enamels has been caused again by the shortage of the harder drying oils. It would appear to me that this situation is not going to be eased this year; by that I mean, the quantities of phthalic anhydride to take care of the job. I, of course, cannot speak for the phthalic manufacturers, but I know that all of them are considerably behind in their business, are accepting no new contracts, no new business whatever, and, in many cases, deliver only a percentage of a contract.

I should say that there was a fairly good stock of all types of natural gums in the States now and I believe

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that these gums will be put on the critical list of the Maritime Commission so that they will be moved with other important commodities, such as rubber and tin, and that a supply will be available to help out during these difficult times.

Solvents

(From William Mueller, Stoney-Muellier, Inc.)

Toluol.—Toluol total production during 1940 amounted to approximately 26,500,000 gallons and sales during the same period being practically the same. It is estimated that the production by the steel industry for 1941 will be slightly in excess of 27,000,000 gallons which, when the material becomes available from the petroleum industry, will add another 27,000,000 gallons to the production total. For the next three months toluol will be scarce but by October when the new 27,000,000 gallons are available, and which will be used entirely for defense purposes, the regular production of the steel industry will be sufficient for civilian use.

Benzol.—Although benzol is not too plentiful there will be no scarcity in so far as the industrial grade is concerned as the producers will always take away from the motor field the necessary amount to provide adequate stocks for industrial purposes.

Xylol.—The estimated production of xylol during 1941 will approximate 7,000,000 gallons which will leave the industry somewhat short. The situation will not be critical as many of the resin people will use tuluol when they are unable to obtain xylol. No new production can be obtained on this item as it is strictly a product of the steel industry which is now running 100 percent capacity.

Naphthalene.—The production of crude and refined naphthalene for 1941 will approximate some 80,000,000 pounds, which is far from sufficient to take care of the demand for phthalic anhydride and the products made from phthalic anhydride. The steel industry will not be able to increase their production of naphthalene to any appreciable extent, but the producers of gas for industrial consumption will relieve the situation by recovering naphthalene which is available and which now is not being recovered.

Phthalic Anhydride.—Phthalic anhydride will be more plentiful in the last quarter of this year when new equipment for converting naphthalene into phthalic anhydride will be ready for operation.

Alcohols and Derivatives

Ethyl Alcohol.—The estimated production of ethyl alcohol for 1941 will approximate 200,000,000 gallons of 190 proof. This should take care of both civilian and defense needs as the defense requirements will not reach its maximum until probably next year, when all the smokeless powder plants will be in full operation. From the best information obtainable the United States government needs will approximate 43,000,000 gallons, plus approximately 20,000,000 gallons for British defense needs. These 63,000,000 gallons added to 150,000,000 gallons required for industrial purposes make a total of 213,000,000 gallons, or some 13,000,000 gallons short of the production capacity. There is every reason to believe that production capacity can be stepped up to take care of the requirements for 1942.

Butyl Alcohols.—The production of normal butyl alcohol and secondary butyl alcohol is adequate for present needs; therefore, no shortages in these two materials are anticipated.

Acetates. — Ethyl acetate, normal butyl acetate, secondary butyl acetate, amyl acetate, et cetera, are insufficient to take care of domestic requirements, which is entirely due to the scarcity of acetic acid. Although some new acetic acid production will become available before the end of the year it still will not be sufficient for the domestic industrial requirements. From this it appears that some step will have to be taken to curtail the acetic acid in the manufacture of cellulose acetate which finds its present largest outlet in the form of artificial silk for civilian use.

Acetone.—Present production facilities for acetone is in the neighborhood of 180,000,000 pounds, but approximately 60,000,000 pounds of new production is now becoming available so that 240,000,000 pounds per year should take care of both civilian and defense requirements. At the moment acetone is somewhat scarce, but this condition should be relieved about August 15.

Methylethyl Ketone.—Present production is running at the rate of 500,000 gallons per month, which before the end of the year will be stepped up to 700,000 gallons, but will not quite take care of both civilian and defense requirements. This situation may be relieved when the ethyl acetate situation is corrected, as ethyl acetate can be used in many cases in place of methylethyl ketone.

Methanol.—Although the first quarter figures, published by the Department of Commerce, indicated that this year's production of methanol will be below 1941, it is estimated that between the synthetic and wood distilled the total figure will be 50,000,000 gallons instead of 45,000,000 as the above report would indicate. From certain sources it is indicated that if an additional 1,500,000 gallons of methanol is supplied the producers of formaldehyde they would be operating at maximum capacity. Even if the formaldehyde producers were operating at capacity it is doubtful if their production would be sufficient for the total defense and civilian requirements. More than likely the manufacturers of phenol-formaldehyde molding powders will probably curtail their sales by eliminating deliveries to manufacturers of nonessential articles.

Plasticizers

Dibutyl phthalate, diethyl phthalate, dimethyl phthalate, diamyl phthalate and tricresyl phosphate are all extremely scarce. The phthalate compounds are scarce due to the shortage of phthalic anhydride and the fact that for defense purposes the requirements approximate 18,000,000 pounds of dibutyl phthalate for coating smokeless powder. Tricresyl phosphate is scarce because of the shortage of cresylic acid. There is a better chance that dibutyl phthalate and the other plasticizers are apt to become more plentiful in the near future than is the case with tricresyl phosphate.

Petroleum Solvents

No shortage apparent at the present time. Some factors must be considered because they intertwine with manufacturing problems at refineries or in the production of materials for the aviation field. One anticipated shortage is in aromatic products. High-test gasoline will be in great demand as the airplane expansion program fully develops. Due to insufficient statistical data covering production, the committee is preparing a questionnaire covering developments of materials and production facilities of all light petroleum products. Aviation demand for aromatics and certain grades of higher aromatics will definitely affect the paint industry. Difficulty is being experienced in securing ships with which to move products.

Cellulose Compounds

(From J. B. Wiesel, director of sales, and Development, Hercules Powder Company.)

Hercules plants operating at maximum capacity. Have informed all contract customers that definite quantity of nitrocellulose would be available for consumption in approximately equal monthly quantities over balance of the year, quantity to be determined upon actual purchases during six month period ending April 1, 1941. Do not anticipate any difficulty furnishing such supplies, but present indications point to physical impossibility of exceeding them. These allotment figures represent substantial increase over normal times. Lacquer industry stimulated through the use of lacquers in fields heretofore supplied by other quick-drying materials not now obtainable or scarce. There is a ceiling which it is physically impossible to exceed. Bottleneck which may prevent increasing capacity is securing of necessary ammonia for the manufacture of nitric acid required.

Possible shortage in cotton linters would have no effect on nitrocellulose production since have been using a mixture of cotton linters and wood pulp for number of years. Can swing to 100 percent wood pulp if necessary. Are installing an addition for ethylcellulose plant. Expect to operate August 1. Present sales slightly below present capacity. Cellulose acetate used mostly in the plastic and film industries; only to a minor degree in lacquer.

Hercules strongly recommends orders for raw materials be placed by the fifteenth of one month for shipment the following month covering as far as possible specific types and definite shipping dates. Such cooperation would be of much assistance to the raw material manufacturers in enabling him to give the industry maximum service under present conditions.

Dry Colors

(From A. F. Brown, president, Imperial Paper & Color Corporation.)

The present demand for chemical pigment colors is unprecedented and exceeds the productive capacity of the industry. Most manufacturers in anticipation of the usual peak demand in the Spring built up stocks during the Winter months, so that when an unusual amount of business began to develop in March, it was thought that this was the usual seasonal demand. It has only been within the last few weeks that it has been possible to definitely establish that this surge of business was not the usual seasonal type, and because all of the reserve stocks have been exhausted, it means that dry color manufacturers who have been shipping for the past several months more color than they could actually produce in the same interval of time will not be able to ship in the future in any given month more color than they can actually produce in that month.

Many color consumers do not realize that in the manufacture of chemical pigment colors, compounds of lead, chromium, tin, zinc, cadmium, aluminus, tungsten, and molybdenum are extensively used, and all these metals are on the critical list, because they are employed so extensively in the defense program. At the present time, some of these metals are already under priority control, though to date this has not restricted color production to any extent. However, it would appear that other priorities are apt to be issued in the near future that may have a very profound influence on the production of some types of chemical pigment colors, and no color consumer should take business requiring an unusual amount of any pigment color without first making sure that he can obtain it from his regular source of supply, because on most colors now the demand exceeds the supply.

Miscellaneous

(From D. H. Litter, president, D. H. Litter Company.)

Fish Oil—Crude today, July 1, 1941, 60 cents per gallon as against half that price a year ago, due to government commandeering sixty-four fishing boats and fishermen paid $15 a ton against $10 last year. Poultry feed people have come into fish market to bring their vitamin content up to government requirements.

Soybean Oil—Protective coatings industry takes small percentage of total. New crop coming in about October being sold about ½ cent under present spot prices, which are considerably higher than fish oil and linseed.

Dehydrated Castor Oil—Believe that there will be sufficient to go around.

Extenders—No fear of supplies. Possibility of little increase in price. Understand situation on asbestine has tightened up a little but by proper manipulation of formula the proper type of calcium carbonate can be used in flats.

Driers—Suppliers put up expensive plants to handle low grade ores which previously had no market in this country. Do not anticipate any shortage unless government starts commandeering some of the metal, but doubt this.

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Oil, Fats, and Waxes

Sharp Fluctuations in Refined Cottonseed Oil Futures—Crude Scarce—Cotton Acreage Reduced—Lard and Soybeans Irregular—Sales of Tallow At An Advance

A firm tone prevailed in the market for miscellaneous oils, fats and greases last week although there was no broadening of business as supplies and offerings in many instances were still very light, with some products unobtainable or practically so. The price trend was upward. Frequent and sharp changes in cottonseed oil, lard and soybean futures had a tendency to make buyers and sellers hold off for further developments. An event of interest was the publication of the first official cotton crop report for the current season. This was construed as bullish, the estimated acreage being 5.4 percent less than a year ago, and the government stating that if the percent abandoned in 1941 is equal to the 10-year average the acreage harvested would be the smallest in any year since 1895.

Vegetable Oils

Castor, Dehydrated.—Steady contract movement. New business good. Market firm.

Chinawood.—Market nominal in absence of offerings on spot arrival. Good inquiry.

Coconut.—Crude scarce in all positions. Nominal quotations advanced ½c. Refined in fair demand and firm.

Corn.—Crude reported sold at 12¼c. per pound, tankcars. Refined nominal.

Oiticica.—Good inquiry. Offerings light. Quotations advanced ½c.

Olive.—Firm at recent advance. Offerings light in all cases. Quotations nominal.

Peanut.—Good inquiry noted for crude and refined. Offerings light. Quotations nominal.

Perilla.—Firm at recent advance. Stocks light and diminishing.

Rapeseed.—Firmer on decrease in supplies. Quotations up ¼c. to ½c. per pound.

Soybean.—Offerings light, owing to irregularity in bean prices. Producers generally firm. Reported from Washington government purchased 9,700,000 pounds of beans, supposedly for export to Britain under the lease-lend program.

There was no trading in soybean oil futures in the New York Produce Exchange, from July 7 to July 11, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
October	...	...	9.20 bid
December	...	...	9.15 bid

Markets at Other Centers

Chicago, July 11.—The general vegetable oil market is quiet.

COCONUT.—Refined, edible oil, 13c. to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less car lots.

CORN.—Refined, edible oil, 14c. to 14¼c. per pound, drums, car lots; 14½c. to 14¾c., drums, less car lots.

SOYBEAN.—Crude, July-forward, 9¾c. per pound, nominal.

The market for soybeans on the Chicago Board of Trade was irregular. Trading active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing July 11.	Closing July 3.
Cash, No. 2.	$1.51¼	$1.45½	$1.49¼	$1.45⅛
October	1.46½	1.35⅝	1.40½	1.36⅜
December ..	1.47⅝	1.36¾	1.41⅝	1.37⅛

San Francisco, July 9.—Edible vegetable oils quieter following the government statement on cottonseed oil. Paint and varnish materials are in very light supply, with prices largely nominal.

COCONUT.—Buyers taking contracts for fairly nearby positions at 6⅝c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Offerings generally light.

OITICICA.—Solid oil 18c. per pound in drums; liquid at 19c., f.o.b. San Francisco.

BABASSU.—Quoted 9½c. per pound in tankcars, f.o.b. Pacific Coast mills.

COTTONSEED.—Crude grade at 11c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Quoted at 18c. per pound in tankcars, f.o.b. Pacific Coast for July-August shipment.

RAPESEED.—Argentine rapseed oil, refined and denatured, July-August shipment from the Coast, 9½c. per pound in tankcars.

Price Changes

Advanced

Candelilla wax, 1c. per lb.
Carnauba wax, No. 3 chalky, 4c. per lb.
No. 3 North Country, 2c. per lb.
No. 2 North Country, 2c. per lb.
No. 1 yellow, 2c. per lb.
No. 2 yellow, 2c. per lb.
refined, 2c. per lb.
Castor oil fatty acid, 1c. per lb.
Ceresin wax, 1½c. per lb.
Coconut oil, crude, ½c. per lb.
Cottonseed oil fatty acid, 2¼c. per lb.
Grease, ½c. per lb.
Japan wax, 1c. per lb.
Lard, 25c. to 50c. per 100 lbs.
Lard oil, ¼c. to ½c. per lb.
Neatsfoot oil, ¼c. to 2c. per lb.
Oiticica oil, ½c. per lb.
Palm oil fatty acid, 1c. per lb.
Rapeseed oil, ¼c. to ½c. per lb.
Red oil, ½c. per lb.
Soybean oil fatty acid, 1⅜c. per lb.
Soybean meal, $1 per ton.
Stearic acid, ½c. per lb.
Tallow, ½c. per lb.
Tallow oil, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
161.8	161.2	155.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Perilla Oil

An increased demand for perilla oil, due to the shortage and rising trend of other paint oils, revealed the fact that supplies in this market are unusually small and diminishing, and caused an advance in the price to 18½ cents per pound in tankcars. Only limited supplies were available at that figure and the tendency of the market last week appeared to be in the direction of still higher prices. In August, 1939, just prior to the commencement of the war in Europe, perilla oil was quoted in this market at 12 cents per pound.

Importations of perilla oil during the first quarter of 1941 were only 1,237,475 pounds. This compares with 4,908,000 pounds in the same time last year and 12,507,461 pounds in the corresponding period of 1939. Consumption in the first quarter of the current year was 2,055,000 pounds against 8,841,000 pounds in the same time in 1940 and 9,440,411 pounds in the same period in 1939.

Manchurian agricultural authorities were quoted in a report from Washington last week as predicting an increase of 20 percent in the production of perilla seed during 1941. No exports of perilla oil from Manchuria to the United States have been reported since April last. This is taken as an indication that the Darien mills failed to receive sufficient supplies of perilla seed for the scheduled production of oil or that the Manchurian monopoly is retaining oil for some purpose other than for export to the United States or elsewhere.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Linseed Oil

Flaxseed futures irregular. Linseed oil and meal firm.

Flaxseed.—DULUTH, July 11.—Flax prices easier, due to the inclination of country shippers to sell remaining supplis and lessened demand from crushers. New-crop developments are reported mainly as satisfactory.

The week's closing flaxseed price range was as follows:—

	Cash.	July.
Saturday	$1.92¾	$1.87¾
Monday	1.93	1.88
Tuesday	1.97	1.92
Wednesday	1.96	1.90
Thursday	1.91½	1.88½
Friday	1.92½	1.88¾

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	.....	2,171	.....	.....
Since Aug. 1.	11,217,742	4,661,114	8,853,756	4,283,530

MINNEAPOLIS, July 11.—Demand for cash flax is as keen as ever and liberal receipts of the past week were taken promptly on arrival at firm prices compared with futures. Today the basis was changed to September futures owing to light trade in matured contracts.

After a two-day lull in country movement a quick increase developed and receipts over the holiday period were liberal. Today there was a falling off, but fair receipts are expected as crop conditions remain good and farmers are liquidating their old-crop supplies steadily in small lots. Offerings of new-crop flax to arrive are moderate at prices bid, which are easy compared with spot seed.

Deliveries on July contracts to date total 62,000 bushels and none of the seed has been ordered out. Open interest in July contracts has been whittled down to 10,000 bushels, so further tenders are apt to be very light despite the fact that only eight days of the month have passed.

The week's closing flaxseed price range was as follows:—

	Cash	July.	Sept.
Saturday	$1.92¾	$1.87¾	$1.90⅛
Monday	1.93	1.88	1.91
Tuesday	1.96	1.90	1.92
Wednesday	1.92	1.90	1.90
Thursday	1.91½	1.88	1.89½
Friday	1.92½	1.88¾	1.90½

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Crop movement in bushels follows:—

	Receipts		Shipments	
	1941.	1940.	1941.	1940.
This week..	222,000	7,000	49,000	16,800
Since Sept. 1	11,858,400	4,107,400	2,051,000	2,314,900

WINNIPEG, July 11.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.64	$1.64	$1.52½
Monday	1.69	1.67¼	1.52½
Tuesday	1.68¾	1.68¾	1.54½
Wednesday	1.68¾	1.68¾	1.53½
Thursday	1.65	1.65	1.50¾
Friday	1.66	1.60	1.51¾

BUENOS AIRES, July 11.—Flaxseed, August, 76⅛c. per bushel. No exports this week. Total since January 1, as follows:—

To—	Bushels This year.	Last year.
United States	8,610,000	8,608,000
United Kingdom	940,000	5,837,000
Continent	618,000	11,852,000
Orders	.....	666,000
Others	675,000	581,000
Totals	10,843,000	27,544,000

Visible Supply

	Bushels.
Last week	12,205,000
Previous week	11,811,000
Last year	4,724,000

Linseed Oil.—A firm tone continued to prevail in the local market. New business was rather quiet, consumers and dealers being disposed in many cases to hold off for the first monthly government report on the new flaxseed crop. There was no slowing down of the movement on contracts, however, the shipments apparently being sufficient to absorb the output here. Advices from outside points reported a large contract movement with the mills operating at capacity. Receipts of flaxseed in Northwestern markets showed an increase but demand was good and offerings were readily absorbed by crushers and cash interests. Crop accounts from private sources were favorable. The government report was issued late on Thursday. It put the acreage at 3,228,000 the yield per acre 9.3 bushels and the indicated crop 30,018,000 bushels.

MINNEAPOLIS, July 11.—Linseed oil demand is still avid and quite a large number of the buyers are trying to buy small fill-in lots for immediate or nearby shipment. Crushers are operating at top capacity and some of them are running Sundays even though they have to pay labor time and a half for this

Quotations on tankcar lots 10.4c. per pound, cooperage car lots 11.3c. per pound, warehouse lots 11.7c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,740,000	3,150,000
Since Sept. 1	168,840,000	132,830,000

SAN FRANCISCO, July 9.—Linseed oil quiet following an active period of contract booking, which covered many buyers well ahead. Deliveries brisk as ever. Tankcars:—10.2c. per pound; drum lots, ex-mill, 11.1c.; drum lots, ex-warehouse, 11.5c.

Cake and Meal.—A firm tone prevailed in the local market for meal. A steady contract movement was noted.

MINNEAPOLIS, July 11.—Buyers of linseed meal are avid after supplies for shipment from now until next March and are unable to get prompt delivery on maturing contracts.

Quotations on July-August meal $32 per ton, f.o.b. Minneapolis in 100 pound sacks. Deferred quoted at $33 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	7,630,000	3,080,000
Since Sept. 1	324,251,000	174,080,000

Cottonseed Oil

Refined oil futures irregular, price changes being sharp at times. Southern markets for cottonseed products generally firm.

Cottonseed Oil.—The chief event of the week was the publication of the first monthly government report on the cotton crop for the current season. This appeared on Tuesday and was regarded as bullish. It put the acreage under cotton cultivation on July 1 at 23,519,000 acres, or 5.4 percent less than in the previous season and 28.6 percent less than the 10-year, 1930-1939, average. The report stated that if the percent abandoned in 1941 equals the 10-year average abandonment, the acreage harvested would be only 23,102,000, or the smallest since 1895. The announcement of the figures was followed by active general buying and a sharp advance in prices, the September delivery rising to 12.31c.

On the advance heavy realizing caused a partial recession, and on the following day prices again declined sharply under general selling on another report from Washington that Price Administrator Henderson will shortly announce ceiling prices for cottonseed oil. Still later there was an upturn on renewed buying by trade interests and commission houses. The government cotton acreage report was taken by some as pointing to a crop of anywhere from 11,000,000 to 11,500,000 bales with favorable weather, and a cottonseed oil production of 2,750,000 to 3,000,000 barrels. Last season the consumption was 3,266,000 barrels. The consumption during the season ending with July this year is expected to show a considerable increase over last season.

Crude cottonseed oil was scarce in Southern markets with quotations generally nominal. Many other vegetable products were also in limited supply and nominal. Crude coconut oil was nominally quoted at 7½c., an advance of ½c. Sales of tallow were reported at 8¼c. per pound for extra, an advance of ½c. Weather and crop news from the cotton belt was regarded as mainly unfavorable, especially from the Southeast, where excessive moisture and increasing weevil activity was reported.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from July 7 to July 11, inclusive, comprised 1,418 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.	
January	12.17	11.04	11.13	sale
September	12.31	11.05	11.26	sale
October	12.22	10.87	11.15	sale
December	12.19	10.90	11.13	sale

Chicago, July 11. — Cottonseed oil quieter. Refined, edible oil is 13¾c. to 14c. pr pound, drums, car lots; 14¼c. to 14½c., drums, less than car lots.

Cake and Meal.—Offerings in Southern markets were reported as light and the prevailing tone appeared to be firm. Demand for meal was reported as more active in some sections.

Markets at Other Centers

Atlanta, July 9.—Prime crude cottonseed oil quoted 10¾c. to 11c. per pound in the Southeast. Eight percent meal, $31 to $31.50 per ton. Boll weevil now a disturbing factor in the crop outlook.

Memphis, July 11.—Crude cottonseed oil quiet. Sales early in week at 11¼c. per pound. Last sales at 11c. per pound, Valley basis. Meal, 41 percent, $30.50 per ton, Memphis basis. Bulk cake, $28 per ton, Valley. Bulk hulls $5 per ton, sacked $8, mill points. Weather warm. Cotton making fair progress. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	July 2.	July 9.
July	$27.85@29.75	$30.00@——
September	29.25@30.00	30.00@30.50
October	30.00@30.35	30.35@30.75
December	31.00@32.00	31.25@31.55
January	31.15@——	31.25@31.50

Closing soybean meal futures:—

October	$27.75@28.15	$28.00@28.50
December	27.75@28.10	28.00@28.50
January	28.00@——	28.25@28.50

Fatty Acids

Capric Acid.—Tone firm. Output moving steadily to local and other consumers.

Castor Oil.—Steady demand. Market firmer. Quotations advanced 1c.

Cottonseed Oil.—Buying stimulated by recent developments in raw material. Prices up 2c.

Palm Oil.—Quotations advanced 1c. per pound. Raw material in light supply.

Soybean Oil.—Stronger with basic material. Prices up 1¾c. per pound.

Stearic Acid.—Steady movement on contracts and transient orders. Market firm.

Chicago—July 11

Fatty acids active and firm. Corn oil, double distilled, 13c. to 13¼c. per pound, tankcar; 13½c. to 13¾c., drums, car lots; 14c. to 14¼c., drums, less than car lots; coconut oil, acidulated, 15c. to 15¼c. per pound, tankcar; 15½c. to 15¾c., drums, car lots; 16c. to 16¼c., drums, less than car lots; cottonseed oil, double distilled, 11¾c. to 12c. per pound, tankcar; 12¼c. to 12½c., drums, car lots; 12¾c. to 13c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 4¾c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 3c.

Fish Oils

Menhaden.—Refined continued firm. Inquiry fairly active.

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PITTSBURGH — J. C. Ackerman
ST. LOUIS — Nolte Brokerage Co.
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WASHINGTON, D. C. — Manufacturers Service Bureau
LOS ANGELES — PORTLAND, ORE. — SEATTLE — SAN FRANCISCO — Martin, Hoyt & Milne, Inc.

Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

Sardine.—Increased request for refined oil. Market firm. California crude production in season ended with March, according to official statistics, was 12,398,310 gallons against 17,389,992 gallons in the previous season.

Sperm.—Firm at recent advance. Trade fairly active.

Markets at Other Centers

Baltimore, July 10.—Crude menhaden oil sold at 57½c. per gallon, tanks, Baltimore basis, if-and-when-made. That figure now bid; no offerings. Fishing better in Chesapeake and Northern waters. Elsewhere unfavorable weather retarded operations.

San Francisco, July 9.—Over 100 tanks of crude sardine oil sold this week at 60c. per gallon. Fishing in Oregon, Washington and the Kodiak section of Alaska commenced July 1. Oregon and Washington production reported somewhat slow.

Fats and Greases

Grease.—Quotations advanced ½c. Spot stocks light. Demand fair.

CHICAGO, July 11.—Choice white grease, 7¾c. to 8c. per pound; yellow, 7½c. to 7¾c.; brown, 7c. to 7¼c.

Lard.—Domestic cash trade fairly active. Price trend upward.

CHICAGO, July 11.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing July 11.	Closing July 3.
Cash	$10.62	$10.17	$10.27	$10.10
October	11.20	10.45	10.57	10.45
December	11.35	10.62	10.77	10.62

Stearin.—Offerings light. Tone firm. Demand fair.

CHICAGO, July 11.—Prime oleo stearin, 11c. to 11½c. per pound.

Tallow.—More active. Sales at 8¼c. per pound for extra, an advance of ½c.

CHICAGO, July 11.—Inedible tallow, prime, 7⅞c. to 8c. per pound; special, 7¼c. to 7⅜c.

Animal Oils

Lard.—Quotations advanced ¼c. to ½c. per pound. Trade fairly active.

CHICAGO, July 11.—No. 1 lard oil, 11½c. to 11¾c. per pound.

Neatsfoot.—Pure unchanged; others up ¼c. to 2c. per pound. Spot stocks light.

Oleo.—Quotations maintained. Tone firm. Trade fairly active.

CHICAGO, July 11.—Extra oleo oil, 11½c. to 12c. per pound.

Tallow.—Prices raised ¼c. per pound. Demand fair.

CHICAGO, July 11.—Acidless tallow oil, 11c. to 11½c. per pound.

Waxes

Beeswax.—Few offerings of crude. Most quotations made f.o.b. shipping point. Means that ocean freights, marine and war risk insurance, and other charges, must be added. No certainty of getting goods afloat to spot. Very strong spot market on bleached and refined material.

Candelilla.—Mexico has advanced shipment quotation. Spot goes to 23½c. to 24c. per pound minimum. Strong, active market.

Carnauba.—Higher and purely nominal. Prices:—No. 3 chalky and No. 3 North country, ton lots, 70c. per pound; No. 2 North country, 76c.; refined, 75c. to 76c.; No. 1 yellow, 77c. to 78c.; No. 2 yellow, 76c. to 77c. Sellers acutely reserved. Brazil strong and sellers are not anxious. Demand here very good. Limited spot stocks.

Ceresin.—All prices up 1½c. per pound due to rising production cost. Prices, ton lots:—138-140 melting point, 12½c. to 13c. per pound; 150-160, 15½c. to 16c.; 160 melting point, 16½c. to 17c.

Japan.—No more shipments via Panama canal. Must come overland from San Francisco. Adds greatly to import cost. Prices up to 19c. to 20c. per pound.

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Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to July 10 as follows:—

Army Air Corps

Engine Fuel:—$137,025, Standard Oil Company, Chicago; $207,400, Richfield Oil Corporation, Los Angeles, Calif; $188,400, Standard Oil Company of Kentucky, Louisville, Ky.; $40,940, Phillips Petroleum Company, Bartlesville, Okla.; $58,500, Standard Oil Company of Indiana, Chicago.

Fuel and Oil:—$137,025, Standard Oil Company, Chicago; $145,019, Standard Oil Company of Kentucky, Louisville, Ky.; $91,846, Shell Oil Company, New York.

Oil, Lubricating:—$36,998, Standard Oil Company of Louisiana, New York.

Plastic Sheets, Transparent:—$312,476.40, Rohm & Hass Company, Philadelphia; $14,862.50, E. I. du Pont de Nemours & Co., Arlington, N. J.

Army Engineers

Carbon, Powdered:—$2,290, West Virginia Pulp and Paper Company, Piedmont, W. Va.

Chemicals:—$3,960, City Chemical Corporation, New York.

Paint, Cold Water:—$15,032.55, M. Ewing Fox Company, New York.

Army Medical Corps

Acacia:—$11,208, B. R. Elk & Co., Garfield, N. J.

Ammonium Chloride and Camphor:—$23,540, American Pharmaceutical Company, New York.

Boric Acid:—$11,370.96, Pacific Coast Borax Company, New York

Camphor and Sulphanilamide:—$13,126.25, New York Quinine and Chemical Works, Brooklyn.

Dishwashing Compound:—$90,795.75, Calgon, Inc., Pittsburgh, Pa.

Drugs:—$11,546, Conray Products Company, New York; $34,808.75, Merck & Co., St. Louis.

Gelatin Capsules:—$26,575, Parke Davis & Co., Detroit, Mich.

Hydrochloric Acid, Methyl Salicylate, and Silver Nitrate:—$22,085, Mallinckrodt Chemical Works, St. Louis, Mo.

Magnesium Sulphate:—$15,360, Drackett Products Company, Cincinnati, Ohio.

Olive Oil:—$64,784.70, Conti Products Corporation, Brooklyn, N. Y.

Plaster of Paris:—$27,430.74, Samuel H. French & Co., Philadelphia, Pa.

Sulphapyridine:—$14,725, Parke Davis & Co., Detroit, Mich.

Chemical Warfare Service

Aniline Oil:—$270,000, American Cyanamid Company, Calco Chemical division, Bound Brook, N. J.; $65,000, U. S. Rubber Company, Naugatuck Chemical Division, Naugatuck, Conn.

Charcoal:—$422,915, Barnebey-Cheney Engineering Company, Columbus, Ohio.

Formaldehyde:—$12,368.88, Heyden Chemical Corporation, Garfield, N. J.

Letters of Intent Issued

Various governmental divisions have reported that letters of intent have been accepted recently by the recipients indicated below. The letters of intent approved by the Office of Production Management, indicate the approximate amounts of formal contracts which will be negotiated at a later date. Letters reported as issued up to July 8 are as follows:—

Army Medical Department

Acetylsalicylic Acid:—$23,760, United Drug Company, Boston.

Ammonia, Apomorphine Hydrochloride, Ethyl Nitrite:—$15,669.34, Schieffelin & Co., New York.

Caffeine with Sodium Benzoate:—$8,880, Parke, Davis & Co., Detroit, Mich.

Chemicals:—$84,787, Mallinckrodt Chemical Works, St. Louis, Mo.

Chloroform:—$15,810, Mallinckrodgt Chemical Works, St. Louis, Mo.

Codeine Sulphate:—$41,650, E. R. Squibb & Sons, New York.

Digitalis Tincture and Ergot:—$1,645, Parke, Davis & Co., Detroit, Mich.

Ferric Chloride Solution, Sodium Phosphate, and Tincture of Aconite:—$18,075, Eli Lilly & Co., Indianapolis.

Fluid Extracts, Cascara Sagrada Aromatic and Nux Vomica:—$12,670, Allaire, Woodward & Co., Peoria, Ill.

Iodophthalein:—National Aniline & Chemical Company, New York.

Liver Solution and Mercury Succinimide:—$27,443.50, Eli Lilly & Co., Indianapolis.

Methenamine, Phenobarbital, Saccharin, Sodium Bicarbonate, and Sodium Salicylate:—$17,441.50, William R. Warner & Co., St. Louis, Mo.

Photographic Chemicals:—$63,740, Eastman Kodak Company, Rochester, N. Y.

Procaine Hydrochloride:—$20,765, Abbott Laboratories, Chicago.

Protein Silver:—$13,650, E. R. Squibb & Sons, New York.

Pumice, Powdered:—$3,154.64, L. D. Caulk Company, Milford, Delaware.

Serum Lyphilized Human Blood Plasma:—$74,320, Sharp & Dohme, Philadelphia.

Shoe Impregnite:—$315,504, National Oil Products Company, Cedarville, Ga.; $315,504, Globe Crayon Company, Barberton, Ohio; $315,840, Baldwin Laboratories, Saegertown, Pa.; $315,504, Ernst Bischoff Company, Memphis, Tenn.

Silver Nitrate and Formalin:—$8,340, Park Nelson Condit, Newton Center, Mass.

Sobisminol Solution:—$4,200, Eli Lilly & Co., Indianapolis.

Sodium Phosphate, Sulphuric Acid, and Phosphotungstic Acid:—$3,535.40, Merck & Co., Rahway, N. J.

Sodium Fluoride:—$3,640, James Good, Inc., Philadelphia.

Sulphurous Acid, Ammonium Carbonate, Chloral Hydrate, Hydrogen Peroxide, Ephedrine Sulphate, and Microscopic Aniline:—$14,048, Merck & Co., Rahway, N. J.

Talc:—$9,616.30, Joubert Cie, Inc., Jersey City, N. J.

Zinc Oxide Ointment:—$5,040, Allan & Company, St. Louis, Mo.

Chemical Warfare Service

Charcoal, Impregnated:—$51,244.22, Barnebey-Cheney Engineering Company, Columbus, Ohio.

Margarin Production Decreased in May

Production of margarin in May totaled 27,692,790 pounds. This compared with 32,179,240 pounds in the previous month and 24,703,264 pounds in May last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of May production with that of the previous year follows:—

	Pounds 1941.	Pounds 1940.
Production of uncolored oleomargarin..	*26,304,376	†24,522,727
Withdrawn tax-paid.	26,894,840	24,122,195

Ingredients used in the production of colored and uncolored margarin in May, 1941, compared with May, 1940, follows:—

In Uncolored Margarin

	Pounds 1941.	Pounds 1940.
Babassu oil	....	961,032
Coconut oil	1,117,395	2,466,628
Corn oil	39,287	48,124
Cottonseed oil	11,169,921	8,450,271
Derivative of glycerin	61,865	66,409
Diacetyl	1	....
Emulsol	10	....
Lecithin	13,927	6,828
Milk	4,869,137	4,656,147
Monostearin	11,964	....
Neutral lard	593,191	493,522
Oleo oil	1,240,896	919,428
Oleo stearin	256,250	309,575
Oleo stearin oil	....	88,000
Oleo stock	76,488	89,614
Palm oil	477	488
Peanut oil	166,403	132,829
Salt	909,382	981,249
Soda benzoate	11,091	10,200
Soybean oil	6,645,189	5,683,591
Soybean stearin	295	1,100
Vitamin concentrate	1,129	1,203
Totals	27,175,118	25,366,229
Production of colored oleomargarin	1,388,414	‡180,537
Withdrawn tax-paid	47,830	28,171

In Colored Margarin

	Pounds 1941.	Pounds 1940.
Babassu oil	....	1,016
Butter flavor	4	....
Coconut oil	351,084	60,124
Color	1,371	123
Corn oil	52	1
Cottonseed oil	23,840	17,487
Cottonseed stearin	3,720	360
Derivative of glycerin	3,924	425
Lecithin	528	73
Milk	241,321	34,761
Monostearin	887	....
Neutral lard	41,866	3,747
Oleo oil	198,682	13,560
Oleo stearin	410	625
Oleo stock	1,844	1,449
Palm oil	7,270	....
Peanut oil	129	24
Salt	47,203	7,564
Soda benzoate	556	63
Soybean oil	253,133	43,533
Soybean stearin	238	....
Vitamin concentrate	5	2
Totals	1,429,027	184,967

* Of the amount produced, 19,811 pounds were reworked.

† Of the amount produced, 29,744 pounds were reworked.

‡ Of the amount produced, 416 pounds were reworked.

Note.—The figures for May, 1941, are subject to revision until published in the Commissioner's annual report.

Bids Wanted

—*Continued from page 4*

Salt:—1,000,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7888, opening July 22.

Soap:—9,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7916, opening July 17.

Soda Ash:—12,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2651, opening July 11.

Soda Phosphate:—20,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7914, opening July 17.

Sulphur Monochloride:—6,000,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 3, opening July 16.

Titanium-Calcium Pigment:—975,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7840, opening July 22.

Titanium Dioxide:—1,495,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7840, opening July 22.

Wax, Waterproofing:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 5, opening July 16.

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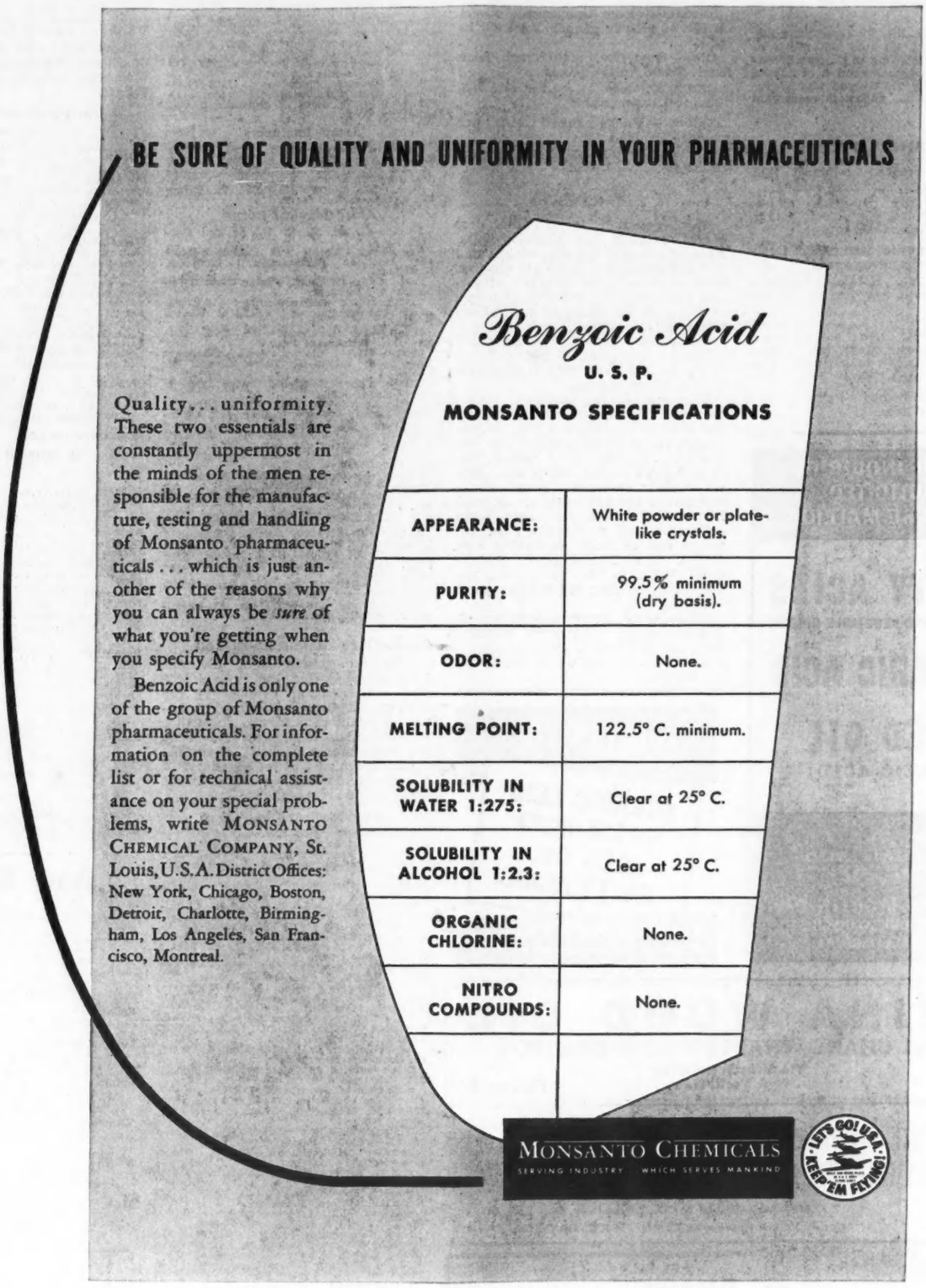
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MONSANTO SPECIFICATIONS
APPEARANCE: White powder or plate-like crystals.
PURITY: 99.5% minimum (dry basis).
ODOR: None.
MELTING POINT: 122.5° C. minimum.
SOLUBILITY IN WATER 1:275: Clear at 25° C.
SOLUBILITY IN ALCOHOL 1:2.3: Clear at 25° C.
ORGANIC CHLORINE: None.
NITRO COMPOUNDS: None.
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Drugs, Fine Chemicals

Aloin Soars—Blackstrap Molasses Rising—All Hard Mercurials Advanced—Castor Beans Up—Halibut Liver Oil Lower —Menthol Upped—Agar Much Higher

Price changes in the market for drugs and fine chemicals broke out in a veritable rash last week. In fact, the advances—for such they were—actually started in the closing hours of the previous week when quotations on all hard mercurials were advanced substantially.

During the week under review, higher schedules were established on aloin, agar, castor beans, menthol, mercury and blackstrap molasses. The sole change in buyers' favor came in halibut liver oil and that change was definitely in line with developments to be expected as new production comes on the market.

Demand for drugs and fine chemicals has been rarely better. Shortages in many items continued to grow and the situation was acute more often than not. Sellers and manufacturers were compelled to be reserved in offerings and acceptance of orders, this for the reason that what was virtually a rationing of output among customers has been forced on producers unable to get normal supplies of raw materials, or output equal to needs.

While many materials were quoted, quite often the prices meant little to those destitute of stocks and unable to crash their way into the circle of those to whom manufacturers would deliver. The natural result has been the establishment of a resale market where prices far above producers' quotations prevail. Despite all that manufacturers have attempted, considerable quantities of many items are being "bootlegged" through the "back door" leading to the field where high, speculative prices are commanded.

Acetone.—Makers have a buyer for every pound produced. Strong. Japan not to import in 1941. Japan made 70 percent of its consumption in 1940.

Argols

Shortage in argols began when war eliminated Italy and France as shippers to the United States. War has crippled exports from Algeria and made Portugal and Spain uncertain shippers that eventually may be totally eliminated. Argentina and Chile remain the sole dependable sources of supplies.

Casablanca, French North Africa, can resume exporting to the United States under an agreement made between the Department of State and the Vichy Government in France, Great Britain participating. Four ships are plying the route, two being afloat both ways at this writing. Importers have yet to solve the problem of getting payment money to the sellers.

Department of Commerce figures show sharp reductions in raw material imports while the number of countries shipping to this country is dwindling and the war has cut down transport from primary sources. Statistical data on imports are:—

	Pounds
1938—Total	31,745,000
1939—Total	17,370,200
1940—Total	23,895,700
1941—Estimated total	14,588,200
Jan.-Mar. Total	3,647,000

Imports of raw material in 1938 and 1939 came from eleven countries. In 1940, from thirteen countries. Arrivals to the end of June, 1941, came from the following eight countries: France, Portugal, Colombia, Martinique, Argentina, Chile, Madeira Islands, and Spain. Before the war, France was the largest shipper and other countries shipping more than one million pounds per year to this country were, in order of importance, Italy, Algeria, and Argentina.

During the January-March quarter of 1941, the importations were valued by the Department of Commerce at approximately $465 per short ton. In the January-March quarter of 1939, the valuation was approximately $152 per ton.

Price Changes

Advanced

Agar, 15c. per lb.
Aloin, 35c. per lb.
Calomel, 25c. per lb.
Castor beans, $1.50 per long ton.
Cocoa butter, ¼c. per lb.
Corrosive sublimate, 20c. per lb.
Menthol, 10c. per lb.
Mercury oxide, yellow, U.S.P., 20c. per lb.
Molasses, blackstrap, North Atlantic ports, 1c. per gal.
Gulf ports, ¾c. per gal.
Quicksilver, $4 per flask.
Red precipitate, N.F., 20c. per lb.
White precipitate, 30c. per lb.

Reduced

Halibut liver oil, $4 per gal.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
212.5	211.4	210.7	203.8

Market news that may have developed after this report was sent to press will be found on page 4.

Exports from U. S. to Japan, 1940, totaled 2,400,000 pounds, compared with 8,500,000 pounds in 1939.

Acetophenetidin.—Very firm. Supplies moderate compared with consumption outlets.

Acid, Citric.—Demand running high. Not a pound available from producers for other than regular customers. Resellers quote fully 200 percent above producers' quotations.

Acid, Phosphoric.—Being substituted in soft drinks where citric acid is unobtainable.

Acid, Nicotinic.—Production meeting wider range in demand. Acute situation in supply has been dulled by lessening demand for special purposes.

Acid, Tartaric. — Strong market. Some increase in raw material imports possible if shipments from French North Africa become important. Demand exceeds productive capacity.

Agar. — Japanese boats commandeered by government reduces ocean traffic. To curtail future arrivals of agar. Price up to $1.55 to $1.60 per pound for No. 1.

Alcohol. — Demand running high. Producers unable to fill all orders. Some turn down sales agents of years' standing. Prices strong. Likely to go higher, depending on changes in production cost.

Aloe. — Production in Netherland West Indies totaled 600 cases, first quarter 1941. Aruba produced 400 cases; Bonaire, 200 cases. Spot very firm. Demand excellent.

Aloin.—Advanced Thursday morning 35c. per pound. Minimum at $3.95 per pound. Reflects rising cost of manufacture.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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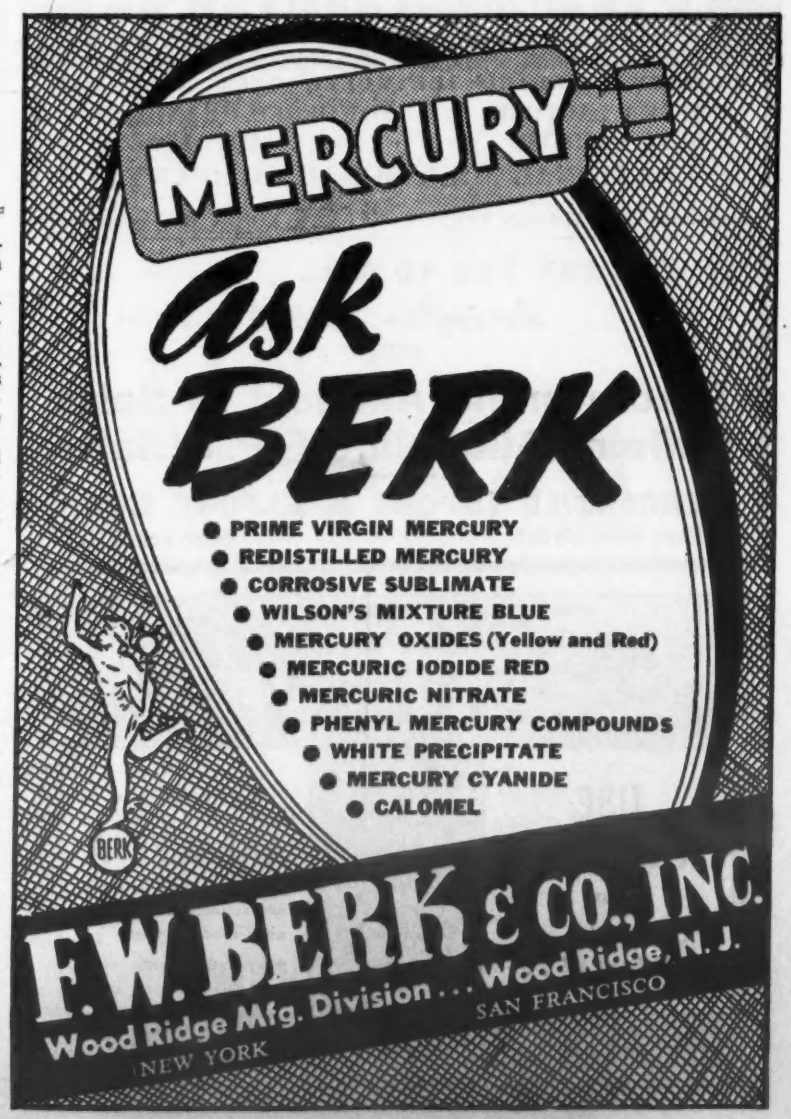

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Amyl Acetate.—Moving in excellent volume. Prices very firm. No surplus production.

Amylene.—Prices apparently well stabilized.

Argols.—Opening of shipments from Casablanca, French North Africa, to United States to add supplies badly needed by tartaric acid makers. Purchases already made. Difficulty encountered in getting payment money to the seller. Chile has restricted exports to 30 percent of average annual exports in 1939 and 1940 by decree of Ministry of Public Health and Social Welfare. Decree published in Diario Official of May 29, 1941. Intended to protect needs of Chilean manufacturers. United States imports from Chile in 1939 totaled 116,991 kilos crude calcium tartrate, and 226,.06 kilos argols.

Bismuth Metal and Salts.—Supply and demand changed little. Movement satisfactory. Very firm undertones.

Cadmium. — Heavy consumption strains productive capacity of producers. Strongly maintained prices. Resale metal very scarce.

Calcium Biphosphate. — Requirements of consumers met. Not much surplus of supply. Prices:—Car lots, bags, $5.75 per 100 pounds; barrels, $6; less car lots, bags, $6.50; barrels, $6.75. Scarcity cream of tartar not reflected in sales volume of biphosphate.

Calomel.—Raised 25c. late in previous week. Price minimum at $2.95 per pound, 50 pound lots or more. Due to rising production cost.

Castor Oil.—Beans higher at $72.50 per long ton, sellers. Buyers' views, $70. No trading reported. Oil very firm. Demand active.

CHICAGO, July 10.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.; No. 3, extracted, returnable drums, car lots, 11⅝c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Cinchophen.—Apparently well stabilized in price. Demand normal.

Cocoa Butter.—Fractionally higher at 22¾c. to 23c. per pound. Considerable fluctuation in price. Not much business.

Codliver Oil.—Fair activity. Firm to strong prices. United States occupation of Iceland may have effect on shipments of oil. Newfoundland oil sold out at source. New production methods operating at St. John's, codliver oil center.

Corrosive Sublimate. — Advanced 20c. late in previous week. Crystals, $2.39; powder, $2.24. Quoting 52½c. per pound, minimum. Resale stocks offered last week at 58½c. per pound.

Creosote.—In low supply. Some making only token sales. Strong, unchanged prices.

Ethyl Acetate.—Firm to strong. Increasingly active. Prices hold.

Fishliver Oils.—Argentina criticizes quality of Japanese vitamin oils reaching there. Talk of creating fishliver oil industry to ship to United States. Creation to depend on permanency and stability of consuming interest here. Halibut oil down to $36 per gal.

SAN FRANCISCO, July 9, 1941.—Higher potency A oils about extinct. Lower potencies have moved up sharply in price. Supply considerably behind the demand. Shark fishing none too good currently. Liver supply low. Tuna oils are steady.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—Higher potencies not quoted, owing to absence of supplies in the market. 50,000 to 70,000 U.S.P. units vitamin A per gram, quoted at 7½c.; 25,000 to 40,000 units, 7c.; lower potency, upwards of 10,000 units, 6¼c. Prices nominal, as oil not freely offered.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 60c. per million units.

Formaldehyde.—Producers pressed hard to create stocks sufficient to meet needs of regular customers. Prices strong. High in resale market.

Glycerin. — Conditions indicate strong position of crude. Not all refiners willing to pay crude price already paid by others who refine for consumption. Excellent demand for refined.

CHICAGO, July 10.—Glycerin price. C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Menthol.—Market up 10c. per pound to $4.25 to $4.35 per pound. Steamer service cut in Far East. Japan requisitions eight ships for military duty. Reports indicate no further sailings from Shanghai, China, and few from Hongkong in future. No pressing spot call.

Mercury Oxide.—Price on U.S.P. yellow up 20c. to $3.38 per pound minimum in 50-pound lots or more late in previous week. Due to rising production cost.

Methanol.—Wide variety of prices noted. Natural methanol, 95 percent, tanks, quoted at 73c. per gallon, done by one group and based on actual production cost. Another group quotes 42c. but offers nothing. Synthetic, pure, tanks, 30c. with deliveries restricted to regular contract buyers in keeping with smaller production and heavy consumption.

Methyl Acetone.—Following minimum tankcar prices quoted respectively as follows, according to three groups of sellers:—Group A, 60c. per gallon, done in line with actual production cost; Group B, 50c. with nothing available for new buyers; synthetic, 43c. without offer and unavailable for new buyers.

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Molasses.—Blackstrap higher. North Atlantic ports, 9½c. per pound. Gulf ports, 9c. Strong.

Potash Permanganate.—U.S.P., 20½c. to 21c. per pound, works. Previous quotations were spot delivery basis.

Quicksilver.—Strong. Nominal at $190 per flask. Futures, $182 spot. Not much unsold metal held here. Growing production engaged well ahead. May production was 100 flasks above March and April and only 100 flasks below the peak of 3,700 in December, 1940. Bureau of Mines figures follow:—

	Flasks	
	Production.	Consumption.
1940—July	3,200	2,200
August	3,500	2,100
September	3,600	2,100
October	3,600	2,700
November	3,400	2,900
December	3,700	2,100
1941—January	3,100	2,900
February	2,900	4,700
March	3,500	4,600
April	3,500	3,200
May	3,600	3,500

Consumer-dealer stocks, May 31, 10,700 flasks. Producers' stocks, 661 flasks. Exports, May:—Data not yet available.

SAN FRANCISCO, July 9.—Quicksilver steady to strong. Conditions quiet. Spots, in limited quantities, quoted $185 per flask. Futures discounted slightly, depending upon quantity and position.

Red Precipitate.—Advanced 20c. per pound, late in previous week. Market $3.26 per pound, 50 pounds or more, N.F. article. Due to rising production cost.

Santonin.—Ranging strong and wide at $170 to $182 per kilo.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
	Nitrate.	Bullion	
	Cents.	New York. Cents.	London. Pence.
Saturday	24	34⅜	...
Monday	24	34⅜	23⅝
Tuesday	24	34⅜	23⅝
Wednesday	24	34⅜	23⅝
Thursday	24	34⅜	23¼
Friday	24	34⅜	23¼

White Precipitate. — Advanced 30c. per pound, late in previous week. Market $2.84 per pound, 50 pounds or more, minimum. Due to advancing cost of production.

Leeming & Co. Elects McShane President

—Continued from page 4

the Leeming company for the past seventeen years.

Mr. McShane was for a time with the Nestles Food Company, New York, where Mr. Austin served as managing director, and Mr. McShane as advertising manager. Mr. McShane left with Mr. Austin for Thos. Leeming & Co., in 1924 when the latter returned to direct the policies of the company.

In addition to his new post, Mr. McShane will continue as president of Pacquin, Inc., a position he has held since the company started. W. Tyler Halsted has been elected to the board of directors to fill the vacancy left by Mr. Austin.

Drug Title Standards Revised by A.D.M.A.

Another revision of Standardized Titles and Formulas has been completed by the American Drug Manufacturers Association's committee on catalog simplification. Copies of the new edition may be obtained from the association, 506 Albee building, Washington, at $3.25 each, postage prepaid.

This book includes formulas of regularly listed nonofficial drugs, exclusive of specialties, and incorporates information which in the opinion of the committee represents standard practice at the moment in the selection of titles for drugs.

Since the new edition was published, the committee has prepared an addendum relative to the change in titles for cold tablets. Each book is in a mailing case which cannot be readily opened without damaging the carton. Accordingly, the addendum sheet in mimeographed form will be sent by first-class mail with an explanatory letter at the time the book is forwarded to the purchaser.

Fine Organics, Inc., Moves Plant to Larger Quarters

Fine Organics, Inc., with executive and sales offices in 211 East Nineteenth street, this city, has located its manufacturing activities and laboratory in larger quarters at 625 Greenwich street, this city. Fine Organics, Inc., formed in 1939, manufactures upward of seventy organic chemicals and pharmaceuticals. Nicholas M. Molnar, director of the Molnar Laboratories, consulting chemists and chemical engineer, for the past fourteen years, is president; Archibald S. Richer is vice-president.

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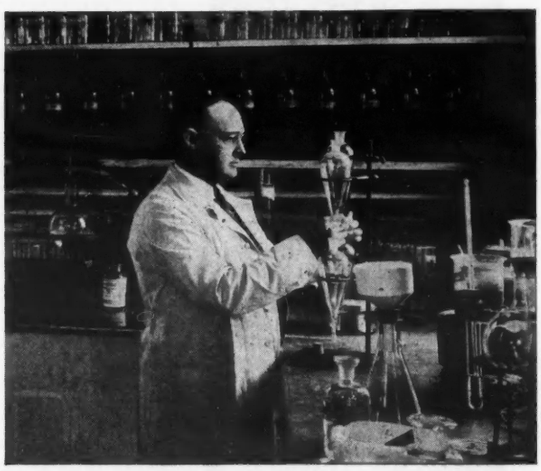

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Botanical Drugs, Spices, and Gums

Arrivals of Botanical Drugs Shipped from Spain Reported —Failed to Weaken Prices — Licorice Root Scarce —Jamaica Ginger Up—Peru Balsam Higher

Price changes in medicinal botanical drugs were lacking for the most part last week, but fundamental values continued to show strength and more often than not sales prices were likely to be higher than spot quotations. Condimental items were mainly firm with price trend usually upward, with a few exceptions present to prove the rule.

Of importance was the arrival here last week of a fairly large and broad variety of foreign goods. The merchandise came here from Spanish ports and reached a market capable of digesting the arrivals without prices being adversely affected. Details will be found in the Shipping Information section.

Progress of domestic cultivation projects involving sage, tarragon herb, belladonna, henbane leaves and and some few other materials usually imported was watched closely. The total production was expected to be so conservative as to make it virtually certain that the goods would reach dealers without causing any substantial weakening of present prices.

Balsams

Fir.—Consumption of Canadian balsam by optical company's with defense contracts reached excellent totals.

Peru.—Scarce. Higher. Market $1.35 to $1.40 per pound. Little offered, spot or at source.

Barks

Cascara.—Stronger. No shading. Source showing strength.

Cinchona.—South American bark offered in increasing quantities. Good reserves held here.

Cramp.—All prices very firm. Collections not too satisfactory.

Elm.—Fair stocks built in primary market. Current call light. Best season lies ahead.

Orange Peel.—Haitian peel finding favor with pickle manufacturers. Price low.

Beans

Tonka.—Some accumulation in primary market stocks. Steamer space flecting in easier and weakening spot prices on ground and powdered item. Also on concentrates. Consumption good.

Insecticides

Barbasco, cube, derris, and timbo roots, in whole or milled form, have been placed on the export list of the OPM. Export is possible only under Federal license.

Barbasco, cube, derris, and timbo roots are rotenone-bearing materials used as agricultural insecticides. Barbasco, cube, and timbo come from Brazil, Peru and Venezuela. Derris comes from British Malaya, Netherlands Indies, French Indo-China, and the Philippine Islands.

Imports of rotenone-bearing materials are given as follows by the Department of Commerce:—

	Pounds.
1939—Total	2,046,600
Jan.-March, average	511,400
1941—Jan.-March, total	2,150,700

Prices on powdered barbasco, cube, and timbo root having 5 percent rotenone at present are 27c. to 28c. per pound. On August 25, 1939, cube was priced at 24c. to 25c., while barbasco and timbo was quoted 22c. to 30c. Derris powder, 5 percent, sells now at 28c. to 30c. per pound. On August 25, 1939, the market was 24c. to 28c.

Price Changes

Advanced

Anise, Cyprus, 5c. per lb.
Canary seed, Morocco, ¼c. per lb.
Cumin seed, Cyprus, 1c. per lb.
Ginger, Jamaica, fancy bold, 1½c. per lb.
medium, 1½c. per lb.
bright grinding, 1c. per lb.
Hempseed, ½c. per lb.
Mustard seed, Montana yellow, ¼c. per lb.
Peru balsam, 10c. per lb.
Poppy seed, Turkish, ½c. per lb.
Pepper, black, Alleppey, ½c. per lb.
Lampong, ¼c. per lb.
Tellicherry, ½c. per lb.

Reduced

Celery seed, Indian, 3c. per lb.
Coriander seed, ½c. per lb.
Cinnamon, Ceylon No. 2, 1c. per lb.
Grains of Paradise, 2c. per lb.
Pimento, Jamaica, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
273.8	273.8	261.8	207.3

Market news that may have developed after this report was sent to press will be found on page 4.

Saffron.—Spanish flowers strong. All of late advance maintained. Some chance of further imports from source.

Gums

Arabic.—Stocks closely held. No tendency to shade under competition. Arrivals in future sure to be slow and could well cease entirely. Consumption running to excellent totals.

Karaya.—Firm to stronger. Steamer space not too plentiful at source. Fair reserves held locally. Demand steady.

Mastic.—Stocks conservative. No price weakness. Demand moderate.

Sandarac.—Holders show reserve. Not pushing goods. Replenishment of depleted stocks not likely.

Tragacanth. — Consumer demand reaching good volume. Prices firm. Limited acceptance of buyers' bids. Stocks conservative. Replacement future hazy.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	190	1,434
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	...	1,626
Celery	35	1,101
Coriander	16,396	30,251
Cumin	3,066	12,233
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	196	1,574
Henbane leaves (bales)	...	20
Mustard	...	9,169
Poppy	130	3,153
Sage leaves (bales)	218	3,679
Sesame	776	7,499
Stramonium	...	...
Thyme	895	1,231

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
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a problem. Number of ships sailing grows smaller.

Vanilla.—Little change in strong situation. Demand very good. Stocks small. Likely so to remain. Poor outlook for later arrivals. Importers continue to hope for relief.

Berries

Hawthorn.—Very firm. Stocks gain slowly. Prices show stability.

Juniper.—Domestic collection gains importance. Article differs radically from European berry.

Flowers

Arnica.—Purely nominal market. Efforts to add to supplies not generally successful.

Chamomile.—Some arrivals expected. Very firm prices. Good call.

Pyrethrum.—Undertones easy. Re-

Herbs and Leaves

Belladonna.—Strong market. Fairly high prices paid for domestic crop, when available. Production total to be moderate.

Buchu.—Needs met. Market steady. No signs of immediate rise.

Henbane.—Very little available. Price set anew at virtually each sale. Stocks not subject to major increase.

Laurel.—More stability noted. Fluctuations to be expected.

Sage.—Excellent sage being grown in Maryland. Crop believed spoken for. Fairly high prices obtainable.

Miscellaneous

Areca Nuts.—No further price shading. Steadier prices and demand.

Colocynth Pulp.—Firmer to stronger undertones. Fair activity.

Ergot.—Fair sales made recently at more favorable prices. Present quotations of $2.10 to $2.20 per pound shaded at times.

Grains of Paradise.—Offered a trifle lower at 37c. to 38c. per pound. Some stocks being pressed in fairly dull market.

Papain.—Very strong. Little to nothing obtainable from source, varying as to importers' reports. Excellent demand here.

Roots

Aconite.—Some root still available but not too much. Prices firm. Demand moderate.

Arrow.—Demand excellent. Prices fully firm. Replacements reach here steadily.

Belladonna.—Future of stocks uncertain. Yield of domestic cultivation to be moderate. Prices high and strong. Are in line with what will be paid for new goods.

Gentain.—No further yielding of prices. Steadier market. Good call.

Licorice.—Scarce. Very high resale prices on licorice mass. Around 70c. per pound paid. Producers have nominal quotation of about 21c. per pound, but offer nothing on open market.

Seeds

Anise.—Some increase in stocks expected. Turkish seed at 35c. to 36c. per pound, afloat. Cyprus, spot, up to 40c. to 42c. Bulgarian quoted 37c. to 38c. Fair reserve of star seed.

Canary.—Morocco up to 5¼c. to 5¾c. per pound.

Celery.—Indian down to 50c. to 51c. per pound. French, nominal.

Coriander.—Shaded to 19½c. to 20c. per pound. Goods in fair quantity believed afloat.

Cumin.—Cyprus seed up to 19½c. to 20c. per pound.

Mustard.—No further offers in Washington seed. Montana yellow advanced to 12½c. to 13c.

Poppy.—Turkish seed higher at 33c. to 34c. per pound.

Spices

Cinnamon.—Competition makes prices yield to 23½c. to 24c. per pound.

Ginger.—Jamaica advancing. Fancy bold, 24c. to 25c. per pound; medium, 22c. to 22½c.; bright grinding, 21c. to 21½c. African seed strong at late advance to 20c. per pound.

Pepper.—Black Alleppy higher at 8½c. to 9c. per pound. Lampong, up to 5.70c. to 6.00c. per pound. Tellicherry, advanced to 8½c. to 9c. White and reds unchanged but firm.

Trading in black pepper futures on the New York Produce Exchange from July 7 to July 11, inclusive, comprised 50 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
May	5.90	5.90	5.94 nom.
September	5.88	5.50	5.66@5.67
December	5.98	5.55	5.75@5.77

Pimento.—Jamaica item lower at 28½c. to 29c. per pound, spot. Afloat, 27c. to 28c. Shipment, July-August, 26c. to 26½c.; August-September, 25½c. to 26c.; September-October, 23½c. to 24c.

Acetic Acid, Derris Under Export Control

—Continued from page 5

Phenol-formaldehyde resins:		
Unfabricated in powder, flake, or liquid form	8255*	8399*
Fabricated	8260*	8399*
	8261*	8399*
	9812*	9999*
	9813*	.....
Urea-formaldehyde resins:—		
Unfabricated in powder, flake, or liquid form	8257*	8399*
Fabricated	8260*	.....
	8261*	8399*
	9812*	9999*
	9813*	.....

Industrial Chemicals

Acids and anhydrides:—		
Acetic acid	8300	8309*
Acetic anhydride	8301	8309*
Alcohols:—		
Methanol	8310	8399*
Acetone	8316	8399*

The numbers appearing in the columns designated B and F in the following schedule refer to the numbers in schedule B, "Statistical Classification of Domestic Commodities Exported from the United States," and schedule F, "Statistical Classification of Foreign Commodities Exported from the United States," respectively, both effective January 1, 1941, issued by the United States Department of Commerce. The words are controlling and the numbers are included solely for the purposes of statistical classification by various government agencies.

The Secretary of State announced today that new general licenses authorizing the exportation of machine tools and allied products to Great Britain and Northern Ireland had been issued, as follows:—

License No. GDC 2 for machinery for cutting or grinding; GDE 2 for abrasives and abrasive products, and GDF 2 for plastic molding machines and presses.

Existing general licenses authorizing the exportation of cobalt have been extended to include cobalt salts and compounds. These licenses are:—

License No. GBT 1 for Canada; No. GBT 2 for Great Britain and Northern Ireland; No. GBT 63 for the Philippine Islands.

The other general license, GIT-B/N, authorizes the exportation from the United States, without individual license, of shipments passing through the United States from any country in group B, or from any country specifically named in the above list, to the Netherlands Indies.

Drug Package, Inc., St. Louis, has called for payment July 15 at 101 and interest entire bond issue of its first real estate serial five percent, dated July 15, 1936.

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Typifying the all-inclusiveness of our service is our list of Botanicals running from "A to Z". Fully aware of the growing scarcity of imported merchandise, our buyers are redoubling their efforts to discover new sources and, even more important, see that shipments arrive quickly and safely in United States.

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Essential Oils, Aromatic Chemicals

Essential Oil Arrivals Expected from Casablanca—Fewer Ships Plying Fareast Routes—Price Trend Strongly Upward —Demand Pressing Actively on Spot

All dealers reported a rousing activity in essential oils and aromatic chemicals throughout the past week. Demand pressed strongly and actively on a market containing minimum stocks of natural oils and much of the demand centered on products doing substitute duty in the present period of scarcity.

Some relief from certain shortages may result from the steamer service established between Casablanca, French North Africa, and this country. The service was set up by arrangements made between our government and that in Vichy, France, with the full knowledge and, apparently, consent of the British.

Adverse coloring in the import picture came with the announcement that Japan had requisitioned at least eight large Japanese cargo carriers, presumably for troop movements. Steamer service on the Far East routes thus becomes smaller from down-under ports, particularly from Japan. No export sailings are expected from Shanghai and few may be expected from Hongkong.

Price trend was strongly upward locally. Advances were numerous but developed little in the way of new movements. Values followed paths well trodden in recent week and the journeys toward higher price levels were expected to continue.

Price Changes

Advanced

Almond, sweet, 5c. per lb.
Capsicum, oleoresin, 10c. per lb.
Cassia, 5c. per lb.
Cinnamon, leaf oil, 5c. per lb.
Citronella, Ceylon, ½c. per lb.
Coriander, $1 per lb.
Dill, seed oil, 15c. per lb.
weed oil, 15c. per lb.
Ginger, $1 per lb.
Juniper tar, 2c. per lb.
Lime, distilled, 50c. per lb.
Pineneedle, 30c. per lb.

Reduced

Citronella, Java, 1c. per lb.
Nutmeg, 15c. per lb.
Palmarosa, 5c. per lb.
Peppermint, natural, 10c. per lb.
redistilled, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
203.8	204.5	204.1	127.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond. — Bitter USP oil very scarce. Fifty-pound order reported unfilled by brokers. One quarter names $3.50. Another, $3.75 per pound. Sweet, expressed, firm. Unchanged.

Amyris.—Market $3.25 per pound. Little doing.

Anise.—Steady. Individual minimum spot quotations of five dealers were 78c., 80c., 82c., 83c., and 85c. per pound.

Bergamot.—Excellent demand for substitutes and synthetic items.

Bois de Rose.—Range wider at $3 to $3.50 per pound. All dealer quotations differ. Minimum quotations of four houses offering were $3, $3.10, $3.25, and $3.50 per pound.

Camphor.—Very good demand. Firm prices. Little competition.

Cananga.—Virtually nominal market. Stocks very low.

Capsicum (Oleoresin).—Higher at $3.85 to $5.50 per pound as to seller.

Caraway.—Limited stocks strongly held by few dealers.

Cassia.—Higher at $2.95 to $3.05 per pound. Two sellers at minimum figures. Two others quote $3. One names $3.05.

Cedarleaf.—Firm. In good request. No shading.

Cedarwood.—Firmer at source. Well held here.

Celery.—Limited spot stocks in virtually nominal market.

Cinnamon.—Bark oil, $9.75 to $32 per pound, range being narrower. True quality around $17.50 and up. Leaf oil higher at 85c. to $1.20 per pound. Only two holders reported.

Citronella.—Ceylon, drums, higher at 53½c. to 55½c. per pound; cans; 55½c. to 57½c. Java oil, shaded to 52c. to 53c.

Clove.—Very firm. Selling in lively fashion.

Coriander.—Higher at $19 to $25 per pound. Minimum quotaitons of three to five dealers were $18, $19, $21 per pound. Two quoted $25.

Eucalyptus.—Very firm. Moderate reserves. Active season ahead.

Dill.—Two important spot houses offer no seed oil. Three others quoted higher. Two named $6 per pound. One asked $5.50. Weed oil ranged $5.75 to $6.25 per pound, being higher. Two asked $5.75. Two others named $6 to $6.25, respectively.

Ginger.—Raw material ruling at very high price. Distilled oil up to $5.75 to $9.50. Single quoted at $5.75. One dealer offered at $6.75. Three others named $8.50, $9 and $9.50 per pound. Seller at outside position recently was lowest at $4.75.

Lavandin.—Stocks apparently exhausted. Last price was $6 to $6.25 per pound.

Lemon.—Active demand in strong market. Prices tend up.

Lemongrass.—Purely nominal price at $1.90 per pound. Scarce.

Lime.—Working higher in price, lower in supply of West Indian oil. Spot market higher. Distilled, $5.75 to $7.25 per pound. Expressed, $8 to $10.75. Inside rules on Mexican oil. West Indian distilled minimum at $7.25; expressed, $9.25.

Nutmeg.—Five spot sellers at $2.25 per pound. One offers at $2.15. Another asked $2.65 minimum.

Orange.—Seasonal demand flowing at full flood. Strong prices.

Palmarosa. — A shade lower at $3.15 per pound, minimum. Two sellers thereat. Another wants $3.50, minimum.

Peppermint. — Prospect of distillation brings lower price views here. Natural ranges $3.30 to $3.80 per pound as to seller. Redistilled, $3.50 to $4.15. Natural at $2.60 and $3.65 encountered often.

Lavender Oil

Something akin to a real crisis has prevailed in the lavender oil for many months. The war stopped normal shipments from France and only the good-will of Great Britain has permitted even the smallest of shipments to reach this country. Synthetic equivalents have come into prominence, as also have substitute compounds based in part of natural oil.

In 1939 the total importation of 325,900 pounds came almost entirely from France. A little from England and a trifle from Spain are on record in Department of Commerce figures. The first quarter imports in 1941 were but 21,073 pounds, comparing with 75,787 pounds in the first quarter of 1939.

Effect of dwindling imports was clearly disclosed in price developments. At the present time quotations range $7.25 to $11 per pound, according to ester content. The market has commanded at least $15 per pound at times. Quotations on August 25, 1939, were $2 to $4.75 per pound, ranging according to ester content.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Plant and Laboratories: Bayonne, N. J.

Petitgrain.—Steady to firm. Fairly active.

Pineneedle. — Three dealers quoted $1.75 per pound, minimum. Growing scarcer.

Aromatic Chemicals

Acetophenone.—Slower.
Amylcinnamic Aldehyde.—Active.
Amyl Acetate.—More demand.
Amyl Butyrate.—Inquiry up.
Anethol.—Steady to firm.
Anisic Aldehyde.—Less active.
Benzaldehyde.—Very scarce.
Benzyl Alcohol.—Broader call.
Benzyl Cinnamate.—Stronger.
Benzyl Formate.—Sales holding.
Benzyl Propionate.—Routine.
Benzyl Salicylate.—Demand lifts.
Benzylidinacetone.—Quieter.
Bromstyrol.—Growing strong.
Cinnamic Aldehyde.—Demand up.
Citral.—Prices gain strength.
Citronellal.—Call growing.
Citronellol.—Demand expands.
Dimethyl.—Good volume.
Diphenylmethane.—Very firm.
Diphenyl Oxide.—Normal demand.
Ethyl Benzoate.—More activity.
Ethyl Butyrate.—Firmer prices.
Ethyl Cinnamate.—Firmer.
Ethyl Oenanthate.—More active.
Ethyl Oxyhydrate.—Strengthening.
Ethyl Vanillin.—Stronger.
Eugenol.—Well stabilized.
Eucalyptol.—Reported firmer.
Geraniol.—Conventional call.
Heliotropine.—Undertone firm.
Hydroxycitronellal.—Strong.
Linalool.—Some raise quotes.
Linalyl Acetate.—Stronger.
Methyl Acetophenone.—Firmer.
Methyl Cinnamate.—Sales up.
Methylhexyl Ketone.—Broad call.
Methylnaphthyl Ketone.—Firm.
Vanillin.—Firm. Active.

Peoples Drug Stores, Washington, sales in June amounted to $2,140,243, against $1,869,094 in June last year.

Bush Pan-America Formed

Bush Pan-America, Inc., this city, has been formed to import for sale essential oils and resinous aromatics now being produced in Central and South America, and to assist in the development of other products which, due to favorable climatic conditions, can be produced there for the soap and perfume industry in the United States.

Officers of the new corporation, sponsored jointly by Bush Aromatics, Inc., and S. Stern, Stiner & Co., and, which will be operated as a separate and distinct unit, are:—President, Burton T. Bush; vice-president, E. Stern; secretary, James Herzog, and treasurer, Miss Gertrude Henry. Mr. Bush will direct the sales for the company.

R.E. Felton Here From Coast

Robert E. Felton of Los Angeles, manager of Felton Chemical Company's West Coast division, flew to New York recently on the Stratoliner for a week's visit at Felton's main offices in Brooklyn. Mr. Felton stated that business on the Coast, as in the East, was certainly highly satisfactory, and that the Felton Chemical Company was enjoying the biggest year by far in its history.

BIMS to Golf July 31

The next meeting of BIMS, a social organization of buyers, importers, manufacturers and salesmen, will be held July 31 at the Sleepy Hollow Country Club, Tarrytown, N. Y. More than seventy-five members attended the last outing, June 26, at the White Beeches Country Club, Haworth, N. J., when numerous trophies were awarded to winners of the golf tournament.

Walgreen Company, Chicago, June sales amounted to $6,771,794, against $6,060,284 in June last year.

Denatured Alcohol Consumed: 1940

The following statistics on the uses of specially denatured alcohol during the fiscal year ended June 30, 1940, have been released by the Treasury Department. For this summary, a primary classification has been adopted for specially denatured alcohol according to the basic functions it performs. The principal functions are, first, its use as a solvent; second, its use as a raw material in the production of other chemicals; and, third, its use as a fluid where it neither exercises a solvent action nor enters into a chemical reaction. In addition, small quantities are used as fuels.

In the secondary classification, which is according to products, some products appear more than once. This occurs where alcohol is required to perform two or more functions. For example, dyes are listed under three headings since alcohol is employed as a raw material to produce a dye chemical, as a solvent to purify dyes, and as a solvent to produce a dye solution for the trade.

In a number of processes some of the alcohol can be recovered and used again. The present release is the first to show separately the amount of new specially denatured alcohol used and the amount of recovered specially denatured alcohol used.

Statistics on the Uses of Specially Denatured Alcohol*, by Kinds of Products or Uses, Fiscal Year Ended June 30, 1940

Product or use.	Number of permittees.	Wine gallons — Amount used — New.	Wine gallons — Amount used — Reused.†	Wine gallons — Amount recovered for reuse.
Cellulose, resin, and related products:—				
Lacquers, varnishes, and enamels:—				
Cellulose	72	1,438,752	1,720,887	1,759,700
Synthetic resins (with or without natural resins, but containing no cellulose compounds)	24	103,775	175	....
Shellac (containing no cellulose or synthetic resins)	384	3,773,291	638	545
Other natural resins (containing no cellulose, synthetic resin, or shellac)	94	1,248,089	....	....
Candy glazes	27	63,342	....	....
Other coatings	36	58,350	....	....
Total lacquers, varnishes, and enamels	‡503	6,685,599	1,721,700	1,760,245
Plastics:—				
Cellulose compounds	12	994,337	617,012	835,725
All other plastics (containing no cellulose)	22	1,782,613	683,219	672,601
Total plastics	‡32	2,776,950	1,300,231	1,508,326
Photographic film (including emulsions)	41	279,657	1,562,472	1,414,490
Transparent sheeting	7	30,664	534,357	539,694
Cellulose intermediates	5	257,450	189,283	202,893
Explosives	2	1,034,602	2,358,887	2,357,520
Polishes	36	172,993	....	....
Adhesives	38	79,960	....	....
Soldering flux	64	132,271	....	....
Inks, stains, and dye solutions (containing no cellulose or resins)	109	128,975	30	....
Total cellulose, resin and related products	‡731	11,579,121	7,666,960	7,783,168
Solvents and thinners for cellulose, shellac, resin products, etc.:—				
Proprietary solvents	31	16,803,735	....	....
Other industrial thinners	69	994,734	5,086	....
Total solvents and thinners	‡93	17,798,469	5,086	....
Toilet preparations:—				
Hair and scalp preparations	848	1,084,980	1,569	1,511
Shampoos	170	224,821	....	....
Bay rum	301	262,997	....	....
Face and hand lotions	716	629,571	....	....
Body deodorants	63	14,995	....	....
Toilet waters	550	1,050,652	....	....
Perfume and perfume tinctures	404	198,836	....	....
Toilet soaps (including shaving cream)	88	40,293	....	....
Mouth washes	344	823,431	....	....
Tooth cleaning preparations	56	118,659	....	....
Total toilet preparations	‡1,583	4,449,255	1,569	1,511
Processing industrial, food, drug, and other products:—				
Nitrocellulose (dehydration of)	7	2,674,180	12,896,039	12,793,575
Sodium hydrosulphite	4	223,505	1,645,980	1,602,422
Wood rosin and synthetic resins	2	371,277	5,083,480	5,088,305
Petroleum oils	8	288,360	3,461,708	3,466,546
Pectin	6	91,133	3,256,344	3,257,957
Food products other than pectin	13	12,943	25,985	26,476
Drug products:—				
Drug extracts	51	137,682	593,154	615,147
Glandular products and vitamins	42	429,047	5,096,217	5,023,951
Medicinal chemicals	51	442,316	690,971	737,565
Miscellaneous (including pill and tablet manufacture)	98	65,341	108,271	141,489
Dyes and intermediates	14	786,107	268,105	444,510
Perfume materials and fixatives	11	49,217	217,164	217,677
Photographic developers	5	80,199	99,327	99,404
Other chemicals	33	610,689	2,431,065	2,412,046
Miscellaneous	25	88,397	149,658	148,846
Total processing industrial, food, drug, and other products	‡238	6,350,393	36,023,468	36,075,916
Pharmaceutical products for external use:—				
Rubbing alcohol	312	3,064,903	....	....
U.S.P. and N.F. preparations:—				
Witch hazel	2	149,374	....	....
Liniments	114	87,243	....	....
Collodions	4	58,574	....	....
Antiseptics	56	17,534	....	....
Miscellaneous	1	136	....	....
Total U.S.P. and N.F. preparations	‡134	312,861	....	....
Tinctures of iodine (official and non-official)	36	83,024	....	....
Other preparations not U.S.P. or N.F.	528	283,984	235	234
Total pharmaceutical products	‡770	3,744,772	235	234
Cleaning, preserving, and flavoring preparations:—				
Tobacco sprays and flavors	106	1,774,564	....	....
Cleaning preparations (including cleaning operations)	272	240,332	8,378	16,794
Deodorant sprays (non-body)	46	53,042	....	....
Disinfectants, insecticides, etc.	106	41,060	190,304	191,415
Sterilizing and preserving solutions	62	43,370	....	422
Embalming fluids and related products	38	30,555	13	....
Industrial soaps	11	15,627	2,433	....
Photoengraving and rotogravure use	46	48,935	....	....
Miscellaneous	33	68,606	....	....
Total cleaning, preserving, and flavoring preparations	‡756	2,316,091	201,128	208,631
Converted as a raw material in chemical manufacturing:—				
Vinegar and acetic acid	59	7,718,558	....	....
Ethyl acetate	11	6,670,130	672,864	591,786
Ethyl chloride	6	11,957,023	128,009	....
Other ethyl esters	44	759,746	243,947	350,932
Dyes and intermediates	5	34,479	34,947	7,948
Acetaldehyde	4	24,572,238	16,558,493	16,577,093
Ether, ethyl	4	505,850	196,810	196,810
Ethers, glycol and other	5	899,303	7,448,804	7,449,054
Ethylene dibromide	4	2,140,021	197,480	197,480
Xanthates	5	570,598	....	....
Fulminate of mercury	5	152,952	17,344	17,628
Ethylene gas	7	1,084,573	....	....
Miscellaneous	22	716,103	108,227	111,999
Total converted in chemical manufacturing	‡119	57,781,574	25,606,925	25,500,730
Fluid uses:—				
Anti-freeze	12	3,861,154	....	....
Brake fluids	8	61,363	....	....
Cutting oils	3	14,665	....	....
Other fluid uses (including door checks)	59	57,394	39	....
Total fluid uses	‡81	3,994,576	39	....
Fuel uses:—				
Motor fuels	5	39,946	....	....
Other fuel uses	7	82,429	....	....
Total fuel uses	‡12	122,375	....	....
Laboratory and experimental uses	1,343	228,007	6,130	8,990
Grand total	§4,282	¶108,364,633	¶69,511,540	¶69,579,180

* Includes specially denatured rum.

† Represents amounts reused after recovery from processes where the alcohol has not become a part of the finished product. Such alcohol may have been recovered during the fiscal year 1940 or prior thereto and from any of the listed processes.

‡ Represents number of permittees within each major grouping.

§ Represents actual number of permittees operating.

¶ Differences between these figures and totals published in "Statistics on Alcohol" for the fiscal year 1940 are accounted for by delinquent and amended reports.

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Petroleum Products

Interest in Petroleum Products Continues to Grow—Scarcity Acute in Several Materials—Pennsylvania Lubricants Higher —OPACS to Act on California Crude Advance July 15

Interest in refined petroleum products continued to soar last week as contract ordering and spot buying of practically all types of products broadened. In many directions scarcity of available supplies became more acute. This was particularly true of some types of naphthas and solvents and lighter fractions.

The demand for crude scale paraffin remained very heavy, with prospective buyers encountering further difficulty in obtaining supplies. Refined grades were moving well. Petrolatums and white mineral oils were well maintained, buoyed by broader demand. Pennsylvania lubricating oils were boosted and gasoline and kerosene were firm. One buyer advanced crude oil prices in the Texas Panhandle.

Action on a reduction of California crude oil prices has been deferred until July 15 by the Office of Price Administration and Civilian Supply, according to an announcement of Administrator Leon Henderson.

Price Changes

Advanced

Oil, lubricating, Pa., bright stocks, 1c. to 3c. per gal.
cylinder oils, 600-630 flash, ½c. per gal.
neutral oils, 1c. to 4c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Extremely heavy demand remained a feature of the market. Consumers were very active and producers were encountering difficulty in filling orders. Several types were unavailable. Prices firm and unchanged.

Cleaners' Naphtha.—Business held to high levels. Demand remained insistent. Price steady.

Lacquer Diluent. — Unseasonally good buying interest reported. Shipments heavy. Price steady.

Mineral Spirits.—The paint industry remained the heaviest taker. Inquiries continued to grow. Actual new business was broader. Prices were firm and unrevised.

Rubber Solvent.—Movement to the rubber industry maintained the high levels of several previous weeks. No nearby slowing down in evidence. Price unchanged.

Stoddard Solvents.—Demand broad. Shipments large. Price firm.

V.M. & P. Naphtha.—Continued good movement to the paint trade. Large tonnages sent into consumption. Demand heavy. Price firm.

Markets at Other Centers

Chicago—July 11

Large-scale demand is reported in virtually all the principal products in this division. Consuming industries are taking generally larger quantities of material and trying to get more. Suppliers are having difficulty on some products to meet buyers' needs.

AROMATIC NAPHTHAS. — Supplies restricted, market strong.

CLEANERS' NAPHTHA.—Demand active, prices firm.

LACQUER DILUENT.—Buying brisk, market stiffening.

MINERAL SPIRITS.—Tone healthy, prices hardening.

RUBBER SOLVENT. — Movement heavy, no price change.

STODDARD SOLVENT.—Good demand, market firm.

V. M. & P. NAPHTHA.—Interest better, prices steady.

New Orleans—July 11

Little change was noted in the domestic market on cleaning solvent and V.M. & P. naphtha. Prices were firm and a conservative demand continued.

CLEANING SOLVENT.—Demand routine; price unchanged.

V.M. & P. NAPHTHA.—Normal demand; no change in price.

San Francisco—July 11

Demand is holding up on most grades and types of petroleum specialties. The supply picture is quite good, too. There is a very active movement into paint consumption.

AROMATIC NAPHTHAS. — Demand broad.

PETROLEUM THINNERS.—Very active.

LACQUER DILUENT. — Demand is steady. Tone stable.

V. M. & P. NAPHTHAS.—Brisk demand. Quotation firm.

RUBBER SOLVENT.—Fair movement. No changes.

STODDARD SOLVENT. — Good demand, Price steady.

CLEANERS' NAPHTHA.—Routine and unchanged.

Tulsa—July 11

Steadily expanding industrial activity is creating more interest in specialties throughout the Midcontinent.

CLEANERS' NAPHTHA. — Fair demand. Quotations steady.

STODDARD SOLVENT.—Inquiries increasing. Prices unchanged.

V.M. & P. NAPHTHA.—Good call. Quotations steady.

RUBBER SOLVENT.—Heavy bidding. Prices strong.

MINERAL SPIRITS.—More interest. Prices firm.

LACQUER DILUENT.—Fair demand. Quotations firm.

Lighter Fractions

Butane. — Both sellers and consumers continued to show concern over the tight supply situation. Stocks were very low. Offerings were limited. Price was strong.

Heptane.—Consumers continued to show more interest in offerings. New business was improved. Shipments were heavier. Price firm.

Hexane.—Trade was on a definite upswing. Actual sales were more numerous and volume shipped larger. Price unchanged.

Octane.—Improved buying interest noted. Price firm.

Pentane.—Demand remained brisk. Inquiries were more numerous. Price was firm.

Propane. — Similar to butane, the supply situation was giving concern. Stocks were tight. Offerings limited. Price strong.

Markets at Other Centers

Chicago—July 11

Generally strong market conditions prevail in the lighter petroleum fractions, with buyers apparently anxious to obtain larger quantities of materials. The statistical position of most of these products is reported strong. Offerings are limited.

BUTANE. — Demand heavy, prices strong.

HEPTANE. — Buying good, market hardening.

PENTANES.—Movement large, no price change.

PROPANE.—Offerings limited, market strong.

Tulsa, July 11

Manufacturers having difficulty in meeting steadily broadening demand from heavy industries despite further gains in production.

BUTANE.—Buyers bidding actively. Quotations firm.

PROPANE.—Broad demand. Prices strong.

PENTANE.—Larger inquiries. Quotations steady.

Petrolatums and Waxes

Paraffin.—The scarcity of crude scale paraffin became more acute last week. Prospective consumers were encountering great difficulty in obtaining material. Price was strictly nominal. Refined grades were moving well with quotations well maintained.

Petrolatums.—Good demand reported. Shipments somewhat larger. Prices firm and unchanged.

White Mineral Oils.—Larger movement into consumption reported. Inquiries brisk. Prices steady.

Markets at Other Centers

Chicago—July 11

Tight and active market conditions have been prevailing in these products. Demand and movement both have been picking up, with takings expanding. Some suppliers are indicating desire to restrict supplies. Inquiries are heavy.

PARAFFIN.—Interest intense. Prices firm.

PETROLATUMS. — Strong demand, market steady.

WHITE MINERAL OILS.—Good shipments, no change in price.

Tulsa—July 11

Greater interest in Eastern markets has firmed up the Midcontinent situation. However, trading is still at a low ebb.

PARAFFIN — More interest. Prices firm.

PETROLATUM—Inquiries slow. Prices steady.

Fuels and Lubricants

Gasoline.—Heavy demand. Prices firm to strong.

Kerosene.—Good call. Quotations unaltered.

Lubricating Oils. — Pennsylvania grades advanced. Bright stocks quoted at 23c. to 27½c. per gallon, a 1c. to 3c. boost. Neutrals were at 29c. to 37½c. per gallon for the 150 viscosity and at 31c. to 39c. for the 200, advances of 1c. to 4c. per gallon. The 600-630 flash cylinder oils were increased ½c. to 14c. to 16c.

Crude Oil Price Changes

Humble Oil & Refining Company advanced crude from Texas Panhandle 3c. per barrel. New schedule is 73c. per barrel for 20 gravity, with a 2c. differential

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Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Markets at Other Centers

Chicago—July 11

Virtually all products in this group are strong and active. Inquiries have been increasing and stringency of supply is reported at hand in some sellers' position in both motor fuels and lubricants. Consumption is still expanding, it is indicated.

GASOLINE. — Demand extraordinary. Market strong.

KEROSENE.—Trade quieter, no price change.

LUBRICATING OILS. — Movement heavy, prices stiffening.

New Orleans—July 11

Gasoline market moved along routine lines, while interest in kerosene continued normal. Prices reflected a firm trend.

GASOLINE.—Demand routine; prices unchanged.

KEROSENE. — Market normal; price steady.

Tulsa—July 11

Heavy demand for motor fuels has strengthened markets.

GASOLINE.—Largest demand of season. Prices strong.

KEROSENE.—Firm inquiries. Quotations steady.

LUBRICANTS.—Buyers very active. Prices strong.

Freight Forwarders Control by I.C.C. Pushed

—Continued from page 5

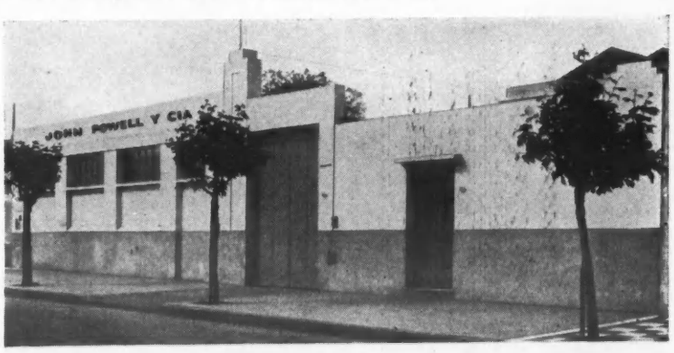
whole or any part of the transportation of such shipments, the services of a common carrier or common carriers [subject to the interestate commerce act or the civil aeronautics act of 1938].

The measure gives the commission power to regulate forwarders with respect to rates and charges, and to formulate rules and regulations with respect to operation, maintenance, or use of motor vehicles used by the forwarders, and to "make and amend such rules and regulations and to issue such orders as may be necessary to carry out" the provisions of the act.

G. M. Wallace has been elected a director of the Union Oil Company, Los Angeles, succeeding W. S. Charnley, resigned.

Seymour Ferris, chief chemist for the Atlantic Refining Company, Philadelphia, is chairman of the general committee to direct arrangements for the 102nd meeting of the American Chemical Society to be held in Atlantic City, September 8-12.

Powell Opens South American Plant



A new plant in 1535 Condarco, Buenos Aires, for the manufacture of insecticide products has been announced by John Powell y Cia, affiliated with John Powell & Co., New York. Both milling and extracting equipment has been installed.

Edwin B. Twyman is president and general manager of the South American affiliate. Mr. Twyman was for many years assistant export manager of the Powell firm in New York. Other executives are H. W. Damerick, chief chemist, and William Pollert, the latter being responsible for the equipment installation in the new plant. The new plant provides facilities for considerable expansion and development.

Fertilizer Materials

Heavy Demand for Feed Materials Causes Several Price Advances —Domestic Bone Materials, Tankage and Fish Meal Higher — Contracting Features Market for Chemicals

Buying of raw fertilizer materials was very slow last week but the general upward trend in all industries was reflected here in several higher prices. Certain types of ammoniates, notably tankage, gained strength as a result of the heavy demand for feed materials. Domestic raw bone and steamed meal were higher at Chicago. Cottonseed meal was advanced, and short stocks of spot menhaden meal resulted in a sharp advance at Baltimore. Nitrogenous material was raised at East Coast production centers, while fewer offerings of the Midwest product were noted.

The chemicals picture was little changed. Consumers of potash salts were negotiating contracts briskly in order to beat the deadline on the discount period. Production at the plant of a large domestic producer has been resumed but no new price schedule issued as yet. New season prices on imported nitrate of soda also were not announced. Contracting held the interest in markets for other chemicals.

The life and time for reporting of the Joint Committee to Investigate the Adequacy and Use of the Phosphate Resources of the United States would be extended for the life of the present Congress under the terms of a joint resolution (H. J. Res. 204) introduced by Representative J. Hardin Peterson of Florida, chairman of the committee. The extension was made necessary, it was explained, because the committee has been unable to get out in the field to conduct hearings due to the continuous sessions of Congress since the current emergency began.

Nitrogenates

Anhydrous Ammonia.—Demand remained at previous levels. Offerings limited. Price steady.

Calcium Nitrate.—No stocks available. Prices withdrawn.

Castor Pomace.—Fair call for domestic product. Price firm. No offerings of imported reported.

Cyanamid. — Offerings curtailed. Stocks low. Price firm. April imports amounted to 8,974 short tons, valued at $160,816.

Dried Blood.—There was a better demand for feed material. Movement of fertilizer grades was slow. General trend of the market was downward. Prices ruled firm and unchanged.

Fish Scrap.—Dried menhaden futures were unchanged. Spot menhaden meal was advanced $3 per ton to $65, f.o.b. Baltimore.

Price Changes

Advanced

Bone, dom., raw, 4½%-50%, $1.50 per ton, f.o.b. Chi.
meal, steamed, 3%-50%, $2 per ton, f.o.b. Chi.
Cottonseed meal, 8%, $2 per ton, Southeast mills.
Fish scrap, menhaden, meal, spot, $3 per ton, f.o.b. Balto.
Nitrogenous material, 5c. per unit, f.o.b. East Coast plants.
Tankage, dom., fertilizer, f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 25c. per unit.
feeding, f.o.b. N. Y., 50c. per unit.
f.o.b. Chi., 50c. per unit.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.1	69.1	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrate of Soda.—No announcement on new prices for imported material was made as yet. Small stocks were on hand to accommodate regular customers in need of material. Contracting for domestic product was proceeding satisfactorily.

Nitrogen Solution.—Contracting for new season proceeding satisfactorily. Price unchanged.

Sulphate of Ammonia.—Market interest focused on contracting, which was brisk. Spot call small. Price unchanged.

Tankage.—Prices advanced. Fertilizer grade advanced 25c. per unit to $3.50 and 10c. at New York and $3.25 and 10c. at Chicago. Feed product boosted 50c. per unit to $4 and 10c. at New York and $4.50 and 10c. at Chicago.

Urea.—Contracting brisk. Prices firm.

Potashes

Delivery of new season potash salts was underway. Most consumers acting to contract for delivery prior to the conclusion of the discount period. Stocks reported not too plentiful. Prices firm and unchanged.

Phosphates

Bone Materials.—Feed product continued to attract the interest of the trade. There was little demand for fertilizer materials. Certain grades were becoming very scarce and some imported materials were reported unavailable. Domestic raw bone was advanced $1.50 per ton to $36.50, and steamed 3 and 50 percent was hiked $2 per ton to $36.

Phosphate Rock.—Good movement reported. Prices steady.

Superphosphate. — Contracting for the new season was brisk following the July 1 advances. Further increases would not come as a surprise.

Markets at Other Centers

Atlanta—July 11

The market for fertilizer materials is passing through a quiet period. A shortage of nitrate of soda is reported but it is stated that there is no doubt about the shortage being relieved this Summer. Active booking of sulphate of ammonia is reported on the basis of $29 per ton, ports, and $28 at producing points.

NITRATE OF SODA.—Not quoted on spot market.

SULPHATE OF AMMONIA.—$29 per ton, ports; $28 at Birmingham ovens.

COTTONSEED MEAL.—8 percent grade, $3 to $3.50 per ton, Southeast.

BLOOD.—South American, $3.40 per unit, ports.

TANKAGE.—South American, $3.50 and 10c., ports.

Baltimore—July 11

The market for crude fertilizer materials is either firm or definitely higher, with volume of business moderate.

FISH SCRAP.—Fishing companies are disposed to hold out for higher prices. According to reports, a limited quantity of scrap has been sold at $4.60 and 10c. per unit-ton, but previous to this last transaction several hundred tons of the ammoniate were traded in at $4.50 and 10c. Menhaden meal is bringing $65 per ton.

DRIED BLOOD.—Offered at $3.50 per unit-ton, with little trading.

SUPERPHOSPHATE.—The market for this product has maintained its firmness of tone, with sentiment, at least among the producers, that higher figures will have to be set to give them some margin of profit. The demand continues very active, with run-of-pile still at $9.50 and 16 percent flat supplies $10. All prices named are for bulk only.

SULPHATE OF AMMONIA.—The situation with respect to this item is unchanged. Exports are still out of the picture, with no licenses available.

Chicago—July 11

Slow market conditions have been prevailing in fertilizer materials. Blood is in fair call. Tankage business is slow and featureless, with offerings moderate. Bone materials are reported more active.

BLOOD.—Principal grade, $3.65 per unit.

TANKAGE.—High grade, $4.50 and 10c.; hoof-meal, $2.65 to $2.75; liquid stick, $1.60 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $36; 4½ and 50 percent, $37.50; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $35 to $40; pork cracklings, soft pressed, $45 to $47.50; beef cracklings, soft pressed, $42.50 to $45; hard pressed cracklings, per unit of protein, 85c. to 90c.

San Francisco—July 11

The trade is still waiting for announcements relative to a new season schedule on nitrate of soda, which have been expected here for some time. Sales agents report they will be able to sell on a day-to-day basis at the old schedules. Some business currently is being booked. Sellers of ammonia phosphate have gone one step further and are accepting contracts through December 31 at last season's prices, but are apparently not offering openly or freely; rather, taking the business on a bid basis. Prices on organics are steady.

SULPHATE OF AMMONIA.—$38 per ton.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk, $27.

SUPERPHOSPHATE.—83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

FISH MEAL.—Futures, $69 per ton for 67 percent protein material, f.o.b. San Francisco Bay points. Monterey, 65 percent protein, $68.50.

BLOOD MEAL.—$3.60 to $3.65 per unit, f.o.b. cars, San Francisco. $3.30, Los Angeles.

Farm Defense Relations Unit Personel Named

OPD Washington Bureau
July 9, 1941

Administrative personnel of the recently established Office of Agricultural Defense Relations was announced today by the Department of Agriculture. The OADR is a planning, advisory and liaison unit within the Office of the Secretary of Agriture. It serves as a clearing house for consideration of agricultural needs as they relate to defense. It has been organized with four over-all divisions. In addition to M. Clifford Townsend, director, other administrative personnel are:—David Meeker, former assistant to the Secretary of Agriculture, will serve as assistant director. L. L. Needler, former secretary of the Indiana Farm Bureau and former purchasing agent of the State of Indiana, will be chief of the Farm Equipment and Supplies Division. This division will be responsible for assisting in securing priorities for agriculture, including metals for farm equipment and for plants processing farm products; chemicals for fertilizers, insecticides and fungicides; petroleum products and other materials needed to maintain the farm plant.

Paint, pigment and varnish industry of Canada showed an output gain of 11 percent in 1940. The gross selling value of products at the works was $28,693,900 in 1940, compared with $25,855,506 in 1939.

Sulphur

In the face of rising costs producers of crude sulphur in the United States have made a determined and successful attempt to maintain prices. Current quotations are $16 per long ton, f.o.b. the mines and $17.50, f.o.b. steamers, Gulf ports. These are unchanged from the prices in force in August, 1939, just prior to the outbreak of the war.

With the start of hostilities in Europe, American producers of crude sulphur were faced with a serious loss of markets. Great Britain, however, more than doubled its usual consumption of American-produced sulphur, with the result that 1940 exports from the United States totaled 746,468 long tons, a 19 percent increase over the 1939 figure of 627,819 tons. For this reason there has been a marked step-up in crude sulphur production.

Output in the United States totaled 2,732,088 long tons in 1940, 31 percent greater than in 1939, when production was 2,090,979 tons. There is evidence, however, that exports are beginning to taper off. In the first three months of 1941 shipments from the United States dropped to 98,071 tons, from 124,797 in the corresponding period of 1940.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

FERTILIZER MATERIALS
Domestic — Import — Export
FRANK R. JACKLE
405 Lexington Ave., New York
Telephone: MU 9-9188
Cable Address: "JACKLECO"

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

Shipping Information

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Imports at U. S. Ports

New York Imports

ACID, TARTARIC—60 cks, Eximport of America, Buenos Aires
77 cks, Leghorn Trading Co, Buenos Aires

ALBUMEN EGG HEN—22 cs, Arnhold & Co, Tientsin

ALLSPICE—4 bskts, M Arachtingi, Vera Cruz
2 bgs, M Arachtingi, Vera Cruz

ALOE—50 cs, Selma Mercantile Corp, Curacao
30 cs, Selma Mercantile Corp, Curacao
95 cs, Selma Mercantile Corp, Curacao

ALTHEA ROOT—22 bls, J L Hopkins & Co, Bilbao
68 bls, Kachurin Drug Co, Barcelona
31 bls, Kachurin Drug Co, Barcelona

ALUMINUM FOIL—2 cs, B F Drakenfeld & Co, Osaka

AMBER SEED—5 dms, S B Penick & Co, Porto Prince
2 pkgs, Geo Lueders & Co, Porto Prince

ANISE—39 bgs, Vera Cruz
40 bgs, Vera Cruz

ANTIMONY ORE—572 bgs, Chase National Bank, Tampico
1,428 bgs, Chemical Bank Trust Co, Antofagasta

ARECANUT—200 bgs, S B Penick & Co, Colombo

ARSENIC, WHITE — 77 bbls, American Smelting & Refg Co, Tampico

ASBESTOS—286 bgs, L J Buck, Inc, Capetown
3,410 bgs, L J Buck, Inc, Capetown

ASPHALT—400 bgs, Allied Asphalt & Mineral Co, Havana

BALSAM—8 bbls, Dodge & Olcott Co, Puerto Barrios

BANANA, POWD—125 bgs, Sanib Corp, Porto Cortez

BISMUTH LEAD—431 bars, Cerro de Pasco Copper Co, Callao

BRISTLES—50 cs, F H Cone & Co, Tientsin
80 cs, H Rosenhirsch & Co, Rangoon
20 cs, Bowring & Co, Rangoon
3 cs, H Rosenhirsch & Co, Kobe
50 cs, H Rosenhirsch & Co, Tientsin
50 cs, A A Kreytman, Inc, Tientsin
20 cs, F H Cone & Co, Tientsin
55 cs, Guaranty Trust Co, Tientsin
64 cs, F H Cone & Co, Tientsin

CALCIUM TARTRATE—46 bgs, W R Grace & Co, San Antonio

CAPSICUM—12 bgs, W E Martin, Madras

CARDAMOM—10 cs, P H Petry & Co, Puerto Barrios
13 cs, P H Petry & Co, Puerto Barrios

CASEIN — 1,002 bgs, H S Cramer & Co, Buenos Aires
834 bgs, Eugeno Lang, Buenos Aires
1,001 bgs, A Hurst & Co, Buenos Aires
303 bgs, Prague Credit Bank, Buenos Aires
334 bgs, S Stern Stiner & Co, Buenos Aires
834 bgs, American-British Chemical Supplies, Buenos Aires
1,667 bgs, American Cyanamid & Chem Co, Buenos Aires
500 bgs, H S Dorf & Co, Buenos Aires

CASTOR BEANS—110 bgs, Baker Castor Oil Co, Port au Prince
1,007 bgs, Port de Paix
3,300 bgs, Baker Castor Oil Co, Ceara
1,650 bgs, Baker Castor Oil Co, Ceara
3,400 bgs, Berkshire Chem Co, Pernambuco
1,700 bgs, Spencer Kellogg & Sons, Pernambuco
5,000 bgs, Baker Castor Oil Co, Ceara

CHAMOMILE FLOWERS—72 bls, E Meer & Co, Barcelona
17 bls, J L Hopkins & Co, Barcelona

CHEMICALS—9 cs, J E Bernard & Co, Lisbon

CHILLIES—12 bgs, Norton, Lilly & Co, Bombay
253 bgs, Mombasa
1,300 bls, Zanzibar

CINCHONA BARK—95 bls, W Loaiza & Co, Puerto Barrios
137 bls, Gecr Trading Co, Puerto Barrios
28 bls, Distributing Trading Co, Guayaquil
27 bgs, Grace Line, Barranquilla

CINNAMON BARK—300 bgs, Mombasa
QUILLS—25 bls, C T Wilson & Co, Colombo
100 bls, Knickerbocker Mills Co, Colombo
125 bls, Catz American Co, Colombo
120 bls, Colombo
50 bls, I Harrison & Whitney, Colombo

COCOA BEANS—250 bgs, Wood & Selick, Port Spain
250 bgs, Farr & Co, Port Spain
318 bgs, Willard Hawes & Co, Lisbon
408 bgs, Willard Hawes & Co, Lisbon
68 bgs, Transmarine Merc Corp, Cape Haitien
482 bgs, Gonaives
101 bgs, Lopez & Magual, Maracaibo
110 bgs, Struller & Wood, Jeremie
66 bgs, W & A Leaman, Jeremie
85 bgs, Struller & Wood, Jeremie
168 bgs, Struller & Wood, Jeremie
161 bgs, Struller & Wood, Jeremie
625 bgs, W & A Leaman, Port de Paix
575 bgs, Puerto Cabello
670 bgs, Puerto Cabello
87 bgs, Lopez & Mangual, Maracaibo
100 bgs, S Stern Stiner Co, Maracaibo
800 bgs, Curacao Trading Co, Curacao
250 bgs, Canadian Bank, Curacao
425 bgs, Curacao Trading Co, Curacao
900 bgs, Curacao Trading Co, Curacao
250 bgs, Middleton & Co, Cristobal
500 bgs, Kennedy, Butcher & Co, Cristobal
188 bgs, A A Lindo & Co, Porto Limon
500 bgs, Guayaquil
2,000 bgs, W R Grace & Co, Guayaquil
250 bgs, A Canale, Guayaquil
250 bgs, Guayaquil
100 bgs, S Stern Stiner & Co, Maracaibo
350 bgs, Machado & Co, La Guaira
5,000 bgs, Wessel, Kulenkampf & Co, Ilheos
2,000 bgs, Curacao Trading Co, Ilheos
2,000 bgs, Rockwood & Co, Ilheos
1,500 bgs, General Cocoa Co, Ilheos
1,500 bgs, Nieschlag & Co, Ilheos
5,000 bgs, Farr & Co, Ilheos
4,000 bgs, A C Israel Commodity Co, Ilheos
1,000 bgs, A C Israel Commodity Co, Ilheos
100 bgs, Struller & Wood, Porto Prince

COCONUT, DESIC—694 cs, Durkee Famous Food, Manila
42 cs, Philippine Desic Coconut Co, Manila
219 cs, Philippine Desic Coconut Co, Manila
100 cs, J Pechman & Co, Manila
750 cs, General Food Sales Corp, Manila
1,450 bgs, General Food Sales Corp, Manila
250 cs, Philip Levy, Manila
381 cs, Durkee Famous Food, Manila
666 bgs, Durkee Famous Food, Manila
237 bgs, Philippine Desic Coconut Co, Manila
800 bgs, General Food Sales Corp, Manila
672 bgs, Durkee Famous Food, Manila
161 cs, Durkee Famous Food, Manila
1,073 bgs, Durkee Famous Food, Manila
1,500 pkgs, Wood & Selick, Manila
665 bgs, Balfour, Guthrie & Co, Manila
192 cs, Wilbur Ellis Co, Davao
530 cs, Wilbur Ellis Co, Davao
700 cs, General Food Sales Corp, Zamboanga
3,765 pkgs, Philippine Desic Coconut Corp, Zamboanga
500 cs, General Food Sales Corp, Davao
965 cs, Durkee Famous Food, Manila
2,185 cs, General Food Sales Corp, Manila
870 cs, Durkee Famous Food, Manila
1,100 cs, Durkee Famous Food, Manila
1,912 cs, General Food Sales Corp, Manila
2,394 bgs, Durkee Famous Food, Manila
3,678 bgs, General Food Sales Corp, Manila
600 cs, Balfour, Guthrie & Co, Manila
1,100 bgs, Durkee Famous Food, Manila
2,087 bgs, General Food Sales Corp, Manila

COCONUTS—2,000 bgs, I L Toledano Corp, Cristobal

COCCULUS INDICUS—39 bgs, S B Penick & Co, Madras

COPAIBA BALSAM—30 cs, W R Grace & Co, Cristobal
10 dms, Magnus, Mabee & Reynard, Cristobal
10 dms, Wessel, Duval & Co, Cristobal
12 dms, Pan American Export & Import Co, Cristobal
9 dms, W R Grace & Co, Cristobal

CORIANDER SEED—3 bgs, Norton, Lilly & Co, Bombay

CORKS—69 bgs, Mundet Cork Corp, Lisbon
44 bgs, Cork Product Co, Lisbon
4 bgs, Hinrichs & Pearsall, Lisbon
21 bgs, Penson & Co, Lisbon
98 bgs, Penson & Co, Lisbon
14,499 cs, Armstrong Cork Co, Seville
3,970 cs, Armstrong Cork Co, Seville
51 bls, Bisbe Cork Co, Bilbao
57 bls, F Ferrer, Barcelona

DISCS—40 bgs, Penson Co, Lisbon

FLOATS—80 bls, T B Smith, Barcelona
9 bls, Budde & Westerman, Barcelona

GRANULATED—183 bls, Penson & Co, Lisbon

SHAVINGS—190 bls, Bald Universal Co, Lisbon
550 bls, Pablo, Calvet & Co, Lisbon

STRIPS—50 crates, Penson & Co, Lisbon

VIRGIN—600 bls, Mundet Cork Corp, Lisbon
406 bls, Mundet Cork Corp, Lisbon
1,273 bls, Mundet Cork Corp, Lisbon

WASTE—537 bls, Lanson Naeve Corp, Lisbon
1,000 bls, Mundet Cork Corp, Lisbon
226 bls, Bald Universal Co, Lisbon
1,200 bls, Mundet Cork Corp, Lisbon
1,094 bls, Bald Universal Co, Lisbon
1,219 bls, Dominion Oilcloth & Lino Co, Lisbon
995 bls, Cox & Fohnar, Lisbon
760 bls, Mundet Cork Corp, Lisbon
600 bls, Bond Mfg Co, Lisbon
377 bls, Wicander & Co, Seville
1,150 bls, Mundet Cork Corp, Lisbon
1,700 bls, Mundet Cork Corp, Lisbon

WOOD—4 bls, Penson & Co, Lisbon
286 bls, Dodge Cork Co, Lisbon
560 bls, Atlantic Pacific Mfg Co, Lisbon
2,648 bls, Cork Insulation Co, Lisbon
660 bls, Bald Universal Co, Lisbon
378 bls, Wicander & Co, Lisbon
209 bls, Wicander & Co, Lisbon
415 bls, Dodge Cork Co, Seville
496 bls, Armstrong Cork Co, Seville
1,117 bls, Armstrong Cork Co, Seville
460 bls, Atlantic Pacific Mfg Co, Lisbon
670 bls, Chase National Bank, Lisbon
901 bls, Pablo, Calvet & Co, Lisbon
510 bls, Chase National Bank, Lisbon

COTTON LINTERS—300 bls, Bunge North American Grain Co, Pernambuco

CUMIN SEED—4 bgs, Norton, Lilly & Co, Bombay

DERRIS ROOT—96 bls, John Powell & Co, Cebu

DIVI DIVI—927 bgs, Selma Mercantile Corp, Curacao
2,078 bgs, Curacao

DRUGS, VEGETABLE—9 bls, R J Prentiss & Co, Buenos Aires
6 bls, Corn Exchange Bank Trust Co, Buenos Aires

DYES, ANILIN—54 bbls, J E Bernard & Co, Lisbon
42 bbls, Ciba Co, Lisbon
19 bbls, J E Bernard & Co, Lisbon
41 bbls, Geigy Co, Lisbon
129 dms, New York & Cuba Mail S S Co, Lisbon

DYESTUFF — 47 dms, E I du Pont de Nemours Co, Manila

EARTH—10 bgs, Barcelona
MINERAL—32 bgs, Whittaker, Clark & Daniels, Vera Cruz

EGG YOLK, SPRAY—56 cs, Arnhold & Co, Tientsin
224 cs, T M Duche & Sons, Tientsin
112 cs, T M Duche & Sons, Tientsin

ERYTHRYME SEED—26 bgs, Merck & Co, Cristobal

FENNEL SEED—40 bgs, Max Kornreich, Buenos Aires
60 bgs, Max Kornreich, Buenos Aires

FISH SOUNDS—30 bls, Fulton Freight Forwarding Co, Maracaibo
1 bg, W I Urland, Maracaibo

FLAXSEED — 3,513 bgs, 7,733 bu, Buenos Aires
3,288,000 kilos, 131,320 bu, Buenos Aires
6,168 bgs, 13,500 bu, Buenos Aires

FLEASEED—32 bgs, J L Hopkins & Co, Alicante

FLIES, DRIED—15 bgs, S B Penick & Co, Vera Cruz

GENTIAN ROOT—22 bls, Kachurin Drug Co, Bilbao
49 bls, E Meer & Co, Bilbao

GLANDS—9 cs, Wilson & Co, Buenos Aires
19 cs, Wilson & Co, Buenos Aires

BEEF, SUPRARENAL—72 cs, Swift & Co, Buenos Aires
18 cs, Swift & Co, Montevideo

GLASS, WINDOW—944 cs, New York & Cuba Mail S S Co, Tampico
1,139 cs, New York & Cuba Mail S S Co, Tampico

GLUESTOCK—108 bls, Milligin & Higgins, Havana

GLYCERIN—301 tons, Procter & Gamble, Manila

GOLD LEAF, IMITATION — 8 cs, B F Drakenfeld & Co, Osaka

GRAPHITE—334 bgs, Paterson, Boardman & Knapp, Colombo
286 bgs, Joseph Dixon Crucible Co, Colombo
286 bgs, Asbury Graphite Mills, Colombo
286 bgs, J F Starkey & Co, Colombo
367 bgs, Joseph Dixon Crucible Co, Colombo
250 bgs, C E Pettinos, Colombo
250 bgs, J F Starkey & Co, Colombo
266 bgs, Joseph Dixon Crucible Co, Colombo
333 bgs, Joseph Dixon Crucible Co, Colombo
286 bgs, J F Starkey & Co, Colombo

GRASS, MED—50 bls, S B Penick & Co, Kobe

GUM, ARABIC—60 bgs, Mombasa
130 bgs, A D Isbetcherian, Mombasa
150 bgs, Colony Import & Export Co, Mombasa
100 bgs, Innis, Speiden & Co, Mombasa
50 bgs, T M Duche & Sons, Mombasa
50 bgs, Mombasa
250 bgs, Kachurin Drug Co, Mombasa
2,000 bgs, Mombasa

CHICLE—812 bls, Chicle Development Co, Puerto Barrios

COPAL—192 bgs, France, Campbell & Darling, Manila
140 bgs, W H Scheel, Manila

DAMMAR—100 cs, American Cyanamid & Chem Co, Singapore
210 bgs, American Cyanamid & Chem Co, Singapore
280 bgs, Gillespie-Rogers-Pyatt Co, Singapore
280 bgs, O G Innes Corp, Singapore
210 bgs, Stroock & Wittenberg, Singapore
210 bgs, G W S Patterson & Co, Singapore
210 bgs, Thurston & Braidich, Singapore
50 cs, Thurston & Braidich, Singapore
150 cs, S Winterbourne & Co, Singapore
35 bgs, Stroock & Wittenberg, Singapore
256 bgs, S Winterbourne & Co, Singapore
210 bgs, Thurston & Braidich, Singapore
384 bgs, S Winterbourne & Co, Singapore

ELEMI—132 cs, O G Innes Corp, Manila

LABDANUM—3 dms, National City Bank, Seville
1 dm, Manufacturers Trust Co, Seville
5 dms, Geo Lueders & Co, Seville
10 dms, Norda Essential Oil & Chem Co, Seville
10 cs, Norda Essential Oil & Chem Co, Tarragona
13 cs, New York Trust Co, Barcelona

TRAGACANTH—838 bgs, E Meer & Co, Bombay

HERBS—4 bls, S B Penick & Co, Buenos Aires
2 cs, S B Penick & Co, Buenos Aires

INDIGO, POWD—200 dms, J E Bernard & Co, Lisbon
61 dms, J E Bernard & Co, Lisbon

IPECAC ROOT—13 bgs, Murbas Trading Co, Puerto Limon

LEAVES, MED—20 bls, New York Trust Co, Puerto Barrios

LIQUIDAMBAR—3 dms, Lo Curto & Funk, Puerto Cortez

LOGWOOD EXTRACT—4 cks, United Fruit Co, Kingston

MANGROVE BARK—750 bgs, Zanzibar
773 bgs, Zanzibar
1,400 bgs, Zanzibar
1,092 bgs, Dar Es Salaam

EXTRACT—4,000 bgs, Saxe Cutch Co, Singapore
2,000 bgs, Saxe Cutch Co, Singapore

MANIOC STARCH—120 bgs, I R Boody & Co, Pernambuco
1 pkg, A Hurst & Co, Pernambuco
1 pkg, I R Boody & Co, Pernambuco

MARJORAM LEAVES—80 bls, A C Villagran, Arica
200 bls, E E Marks & Co, Arica

MATE—7 cs, J Victori & Co, Buenos Aires
17 cyls, International Mate Co, Buenos Aires

MEAT EXTRACT—400 cs, Swift & Co, Buenos Aires

MEDICINAL PREPS—52 cs, D C Andrews & Co, Buenos Aires
39 cs, Draeger Shipping Co, Lisbon
3 cs, Eli Lilly & Co, Puerto Barrios
19 cs, Gallia Laboratories, Barcelona

MENTHOL—100 cs, Mitsui & Co, Kobe
100 cs, Mitsubishi-Shoji-Kaisha, Kobe
50 cs, Bridges, Neumer & Co, Kobe

MICA—9 cs, Eugene Munsell & Co, Buenos Aires
10 cs, Eugene Munsell & Co, Buenos Aires
35 cs, Wm Brand & Co, Santos
71 cs, Ford Radio & Mica Co, Santos
100 cs, Santos
131 cs, Eugene Munsell & Co, Santos
38 cs, Ford Radio & Mica Co, Santos
1 cs, Heyman & Co, Madras

BLOCK—16 cs, Heyman Co, Calcutta
30 cs, Wm Brand & Co, Calcutta
35 cs, Schwab Bros, Calcutta
141 cs, Chase National Bank, Calcutta
2 cs, Wm Brand & Co, Calcutta
19 cs, Ford Radio & Mica Corp, Madras

DISCS—9 cs, Ashville Mica Co, Calcutta

FILM—3 cs, Cornelis & Suhr, Calcutta
10 cs, Schwab Bros, Inc, Calcutta

SPLITTINGS—2 cs, Heyman & Co, Calcutta
28 cs, Cornelis & Suhr, Calcutta
34 cs, Schwab Bros, Inc, Calcutta
1,233 cs, Chase National Bank, Calcutta
2,162 cs, Chase National Bank, Calcutta
1,250 cs, Chase National Bank, Calcutta
1,098 cs, Wm Brand & Co, Calcutta

MILK, POWD—20 cs, Nestles Milk Product Co, Buenos Aires

MUSTARD SEED—280 bgs, Joensson & Cross, Tientsin

NUTGALLS—280 bgs, Eastman Kodak Co, Hongkong
168 bgs, Bingham & Co, Hongkong
168 bgs, Balfour, Guthrie & Co, Hongkong
187 bgs, Eastman Kodak Co, Hongkong

OAK MOSS—62 bgs, Corn Exchange Bank Trust Co, Alicante

OIL, ANISE—10 cs, McKesson & Robbins, Hongkong
20 cs, Geo Uhe Co, Hongkong

CAJEPUT—8 dms, S B Penick & Co, Batavia

CAMPHOR—15 dms, Givaudan-Delawanna, Yokohama
30 dms, Norda Essential Oil & Chem Co, Yokohama
5 dms, P R Dreyer, Yokohama
10 dms, Dodge & Olcott Co, Yokohama
5 dms, Geo Lueders & Co, Yokohama
8 dms, Magnus, Mabee & Raynard, Yokohama

CASSIA—2 dms, Dodge & Olcott Co, Hongkong
5 dms, Norda Essential Oil & Chem Co, Hongkong

CITRONELLA — 4 dms, Van Amerigen Haebler, Colombo

CITRUS—25 cs, W Botkay, Santos

COCONUT—976 tons, Manila
924 tons, Manila

COD—123 dms, Canada
52 cks, Canada

CODLIVER—1,223 dms, Iceland
100 dms, Yokohama

COTTONSEED — 2 cs, East Asiatic Co, Buenos Aires

ESSENTIAL—15 bbls, H Sothern, Puerto Barrios
10 bbls, H Sothern, Puerto Barrios
1 dm, Bank of Manhattan, Seville
5 dms, Geo Lueders & Co, Seville
12 dms, Norda Essential Oil & Chem Co, Seville
1 dm, Vera Cruz

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao
66,085 bbls, Asiatic Petroleum Corp, Aruba

HO—5 dms, Norda Essential Oil & Chem Co, Kobe

LAVENDER SPIKE — 3 dms, Guaranty Trust Co, Alicante

LUBRICATING — 4 dms, A G Phelps, Buenos Aires

MANDARIN AND ORANGE—7 cs, W J Bush & Co, Santos

MUSTARD—15 cs, Norton, Lilly & Co, Bombay

OITICICA—125 dms, Archer Daniels Midland Co, Ceara
250 dms, Arnold Dorr & Co, Ceara
125 dms, Archer Daniels Midland Co, Ceara
126 dms, Murray Oil Product Co, Ceara
124 dms, Laidlaw & Co, Ceara
300 dms, Brazil Oiticica, Inc, Ceara

OLIVE — 200 dms, First National Bank, Montevideo
298 dms, Montevideo
200 dms, First National Bank, Montevideo

ORANGE—7 dms, Ungerer & Co, Santos
1 cs, Magnus, Mabee & Reynard, Vera Cruz

PATANA—54 dms, Pan American Trust Co, Belem

PEANUT—2 cs, East Asiatic Co, Buenos Aires

PETITGRAIN — 20 dms, Guaranty Trust Co, Buenos Aires

RAPESEED—1 cs, East Asiatic Co, Buenos Aires

ROSEMARY—12 dms, Norda Essential Oil & Chem Co, Seville
6 dms, Norda Essential Oil & Chem Co, Valencia

SANDALWOOD—10 cs, Allondon Bayonne Co, Madras

SKIPJACK LIVER—3 dms, Yokohama

SPERM—68 dms, Simmonds & Grey, Lisbon

SUNFLOWER SEED—1 cs, East Asiatic Co, Buenos Aires

THYME—3 dms, Guaranty Trust Co, Alicante

VEGETABLE—10 dms, Buenos Aires

ORANGE FLOWER WATER—2 dms, J Manheimer, Puerto Prince

ORANGE PEEL—36 bgs, S B Penick & Co, Puerto Prince

OX GALLS—14 tcs, Armour & Co, Montevideo
8 tcs, Armour & Co, Montevideo

PAPAIN—28 half chests, Dodwell & Co, Singapore
4 cs, C H Demerest, Durban

PEPPER—15 bgs, Strohmeyer & Arpe Co, Port Prince

BLACK—6 bgs, Norton, Lilly & Co, Bombay

PERFUME—7 pkgs, Jules A Dos Angles, Havana

PYRETHRUM FLOWERS—125 bls, Mombasa

QUEBRACHO EXTRACT—1,550 bgs, International Product Corp, Buenos Aires
2,675 bgs, International Product Corp, Buenos Aires
2,600 bgs, International Product Corp, Buenos Aires
525 bgs, International Product Corp, Buenos Aires
615 bgs, Tannin Corp, Buenos Aires

ROSEMARY LEAVES—21 bls, J L Hopkins & Co, Barcelona
29 bls, Knickerbocker Mills Co, Alicante
58 bls, Peek & Velsor, Alicante
150 bls, S B Penick & Co, Alicante
55 bls, J L Hopkins & Co, Alicante
58 bls, Alicante

SAFROL—10 dms, Fritzsche Bros, Kobe
10 dms, Ungerer & Co, Kobe

SAGE LEAVES—43 bls, Kachurin Drug Co, Barcelona

SARSAPARILLA ROOT—11 bls, United Fruit Co, Kingston

SESAME SEED—64 bgs, Levy & Levis Co, Tientsin

SHELLAC—500 bgs, Carleton & Moffat, Calcutta
40 bgs, Alfred Kramer & Co, Calcutta
200 cs, Interocean Export Co, Calcutta
200 bgs, Cornelis & Suhr, Calcutta
200 cs, Ralli Bros, Calcutta
600 bgs, Ralli Bros, Calcutta
200 bgs, Mac Lac Co, Calcutta
200 cs, Gillespie-Rogers-Pyatt Co, Calcutta
750 bgs, A Hurst & Co, Calcutta
50 bgs, Wm Zinsser & Co, Calcutta
730 bgs, E E Androvette, Calcutta
50 cs, E E Androvette, Calcutta
200 bgs, E E Androvette, Calcutta

SHELLAC, BUTTON LAC—50 bgs, Ralli Bros, Calcutta
100 bgs, Mac Lac Co, Calcutta
50 bgs, A Hurst & Co, Calcutta
SEEDLAC—600 bgs, Wm Zinsser & Co, Calcutta
350 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
400 bgs, Cornelis & Suhr, Calcutta
850 bgs, Ralli Bros, Calcutta
50 bgs, Mercantile Import & Export Co, Calcutta
400 bgs, E E Androvette, Calcutta
400 bgs, E E Androvette, Calcutta
SOAP BARK—355 bls, W R Grace & Co, San Antonio
SPONGES—6 bls, Havana
20 bls, Havana
8 bls, Havana
5 bls, Gulf-West Indies Co, Havana
12 bls, Mantas Bros, Havana
SQUILL—20 bgs, W E Martin, Madras
STEATITE—240 bgs, Heyman & Co, Madras
SUNFLOWER SEED—500 bgs, Levy & Levis Co, Buenos Aires
TALC—4,000 bgs, Bingham & Co, Kobe
4,032 bgs, Whittaker, Clark & Daniels, Kobe
TALLOW—278 tcs, Armour & Co, Buenos Aires
269 tcs, Armour & Co, Buenos Aires
1,070 cs, Belem
145 bbls, Guaranty Trust Co, Buenos Aires
1,482 cks, H J Baker & Bro, Buenos Aires
TAMARINDS—4 bgs, Norton, Lilly & Co, Bombay
TANKAGE—2,204 bgs, Montevideo
TAPIOCA FLOUR—1,016 bgs, Chase National Bank, Santos
270 bgs, Amenta, Inc, Havana
229 bgs, Manufacturers Trust Co, Havana
234 bgs, Amenta, Inc, Havana
600 bgs, Manufacturers Trust Co, Havana
100 bgs, Amenta, Inc, Havana
TARA POWD—170 bgs, Tannin Corp, Salaverry
201 bgs, Colony Import & Export Co, Salaverry
SHEATH—200 bgs, W R Grace & Co, Salaverry
301 bgs, National City Bank, Salaverry
185 bgs, Irvin Herman, Inc, Salaverry
THYME LEAVES—200 bls, Alicante
40 bls, E Meer & Co, Barcelona
TIN ORE—235 bgs, Chase National Bank, Tampico
AND WOLFRAM—822 bgs, W R Grace & Co, Mollendo
TOLU BALSAM—7 cs, M S Kattenhorn & Co, Barranquilla
TONKA BEANS—13 cks, Irving Trust Co, Port Spain
24 bbls, Belem
40 bbls, Belem
TURMERIC—175 bgs, Jacmel
6 bgs, Norton, Lilly & Co, Bombay
UVA URSI LEAVES—198 bls, S B Penick & Co, Alicante
347 bls, S B Penick & Co, Alicante
61 bls, E Meer & Co, Barcelona
VALERIAN ROOT—30 bls, S B Penick & Co, Kobe
VANILLA BEANS — 7 cs, Thurston & Braidich, Vera Cruz
27 cs, McCormick Sales Co, Vera Cruz
36 cs, National City Bank, Vera Cruz
18 cs, F Huber & Co, Vera Cruz
29 cs, Dodge & Olcott Co, Vera Cruz
VEGETABLE EXTRACT—14 cks, Tratelli Branca & Co, Buenos Aires
WATTLE BARK—275 bls, Mombasa
544 bls, Mombasa
2,723 bls, Mombasa
WAX, BEES—10 bgs, Pan American Export & Import Co, Petit Goave
4 bgs, Struller & Wood, Jeremie
13 bgs, Struller & Wood, Jeremie
12 bgs, Jacmel
17 bgs, Aux Cayes
20 bgs, A Hurst & Co, Calcutta
24 bgs, Tampico
33 bgs, Tampico
43 bgs, A Zarrilla & Co, Tampico
15 bgs, Geck Trading Co, Puerto Barrios
61 bgs, Norda Essential Oil & Chem Co, Vera Cruz
12 bgs, D Steengrafe, Vera Cruz
30 bgs, H H Pike & Co, Havana
13 bgs, D Steengrafe, Havana
15 bgs, Havana
43 bgs, D Steengrafe, Havana
18 bgs, H H Pike & Co, Havana
40 bgs, Lopez Serrano Co, Havana
CANDELILLA—341 bgs, M Argueso & Co, Tampico
1,143 bgs, M Argueso & Co, Tampico
CARNAUBA—112 bgs, Midway Chem Co, Santos
112 bgs, Midway Chem Co, Santos
224 bgs, Rutger, Bleecker & Co, Ceara
168 bgs, Rutger, Bleecker & Co, Ceara
168 bgs, Rutger, Bleecker & Co, Ceara
67 bgs, Strahl & Pitsch, Bahia
188 bgs, Strohmeyer & Arpe Co, Bahia
445 bgs, Wm M Allison & Co, Bahia
125 bgs, Strohmeyer & Arpe Co, Bahia
126 bgs, Strohmeyer & Arpe Co, Bahia
56 bgs, Strohmeyer & Arpe Co, Bahia
VEGETABLE—1,215 cs, Smith Weihman Co, Inc, Belem
100 cs, Wm M Allison & Co, Kobe
WINE LEES—96 bgs, Standard Brands, Lisbon
900 bgs, A Mevi, Buenos Aires
878 bgs, A Mevi, Buenos Aires
900 bgs, Valparaiso

New York Transit Imports

COCA LEAVES—145 bls, Maywood Chem Works, Salaverry, Maywood
144 bls, Maywood Chem Works, Salaverry, Maywood
COCONUT, DESIC—235 bgs, Zamboanga, Savannah
700 cs, Philip Levy, Manila, Bridgeport
225 bgs, Zamboanga, Savannah
COTTONSEED MEAL—6,720 bgs, Ashcraft, Wilkinson & Co, Port Prince, Atlanta
ERGOT—32 bgs, Eli Lilly & Co, Lisbon, Indianapolis
GLANDS, BEEF, SUPRARENAL—45 cs, Parke, Davis & Co, Buenos Aires, Detroit
GRAPHITE—276 bgs, Wyodak Co, Colombo, Cleveland
286 bgs, Superior Flake Graphite Co, Colombo, Chicago
MUSTARD SEED—168 bgs, Frank Tea & Spice Co, Tientsin, Cincinnati
OLEO STEARIN—907 bgs, Swift & Co, Montevideo, Jacksonville
OIL, CHINAWOOD—160 dms, Pacific Vegetable Oil Co, Hongkong, San Francisco
CITRONELLA—13 dms, Procter & Gamble, Colombo, Cincinnati
49 dms, Procter & Gamble, Colombo, Cincinnati
COCONUT—457 tons, Pacific Vegetable Oil Co, Cebu, San Francisco
627 tons, Procter & Gamble, Manila, Cincinnati
PAPAIN—62 bgs, American Ferment Co, Colombo, Toronto
73 bgs, American Ferment Co, Colombo, Toronto
31 cs, American Ferment Co, Mombasa, Toronto
SESAME SEED—200 bgs, Sokol & Co, Hongkong, Hongkong
TEAWASTE—555 bgs, Citro Chem Co, Calcutta, Maywood
VANILLA BEANS—21 cs, Zink & Triest, Vera Cruz, Philadelphia
34 cs, Zink & Triest, Vera Cruz, Philadelphia
WAX, VEGETABLE—100 cs, Mitsui & Co, Kobe, San Francisco

Baltimore Imports

CHROME ORE—4,000 tons, Santa Cruz
COCONUT, DESIC—75 cs, Manila
IRON ORE—5,700 tons, Bethlehem Steel Co, Daiquiri
MANGANESE ORE—4,500 tons, Bethlehem Steel Co, Santiago
4,060 tons, Bethlehem Steel Co, Santiago
1,500 tons, Manila
MOLASSES—1,148,673 gls, Cuba Distilling Co, LaRomana
255,701 gls, Cuba Distilling Co, Macoris
1,044,994 gls, Cuba Distilling Co, Barahona
369,935 gls, Cuba Distilling Co, Macoris
OIL, COCONUT—102 tons, Manila
FUEL—128,518 bbls, Standard Oil Co N J, Aruba
GASOLINE—83,694 bbls, Asiatic Pet Corp, Aruba
107,182 bbls, Asiatic Pet Corp, Aruba

Boston Imports

COCOA BEANS—167 bgs, W R Grace & Co, Itacoatiara
120 bgs, W R Grace & Co, Manaos
OIL, COCONUT—911 tons, Philippine Refg Corp, Manila
PYRETHRUM FLOWERS—125 bls, Mombasa
WAX, VEGETABLE—50 cs, Mitsui & Co, Kobe
150 cs, Mitsui & Co, Kobe

Norfolk Imports

STEATITE—400 bgs, Heyman & Co, Madras
QUEBRACHO EXTRACT—2,173 bgs, Tannin Corp, Buenos Aires
2,100 bgs, International Product Co, Buenos Aires
5,114 bgs, Tannin Corp, Buenos Aires
2,100 bgs, International Product Co, Buenos Aires
1,054 bgs, Tannin Corp, Buenos Aires

Philadelphia Imports

CASSIA—100 bls, Hongkong
CHROME ORE—2,000 tons, Masinloc, Zambales
COCOA BEANS—22,400 bgs, Balfour, Guthrie & Co, Takoradi
20,800 bgs, Balfour, Guthrie & Co, Takoradi
1,600 bgs, Takoradi
IRON ORE, CHROME BEARING—1,500 tons, Masinloc, Zambales
MANGANESE ORE—5,000 tons, Takoradi
5,000 tons, Takoradi
MOLASSES—920,000 gals, E I du Pont de Nemours & Co, Antilla
502,000 gals, E I du Pont de Nemours & Co, Metanzas
425,000 gals, Publicker Alcohol Corp, Havana
1,410,000 gals, Publicker Alcohol Corp, Pastelillo and Havana
1,408,319 gals, Publicker Alcohol Corp, Antilla
1,298,367 gals, E I du Pont de Nemours & Co, Port Tarafa
MYROBALANS — 1,000 pockets, Guaranty Trust Company of New York, Calcutta
OIL, FUEL—66,065 bbls, Socony Vacuum Trans Co, Aruba
PETROLEUM, CRUDE—97,734 bbls, Gulf Oil Corp, Puerto la Cruz
92,000 bbls, Atlantic Refining Co, Las Piedras
99,032 bbls, Gulf Oil Corp, Puerto la Cruz
100,000 bbls, Atlantic Refining Co, La Libertad
116,000 bbls, Atlantic Refining Co, Las Piedras
122,673 bbls, Gulf Oil Corp, Puerto la Cruz
70,000 bbls, The Texas Co, Las Piedras
SHELLAC—200 bgs, Calcutta
650 bgs, Bank of London & South America, Calcutta
550 bgs, Bank of Manhattan, Calcutta
100 bgs, Philadelphia National Bank, Calcutta
OIL, LUBRICATING—575 dms, 20 cs, Hongkong
PHOSPHORUS, RED—130 cs, Hongkong
SOLVENTS, LAQUER—2 bxs, Manila
ZINC CARBONATE—9 bbls, Manila

Exports from U. S. Ports

Baltimore Exports

LITHOPONE—39,996 lbs, Montevideo
OIL, CREOSOTE—5,170 gls, Rio Janeiro
SODA, ASH—107,800 lbs, Rio Janeiro
BICHROMATE—22,400 lbs, Montevideo

New Orleans Exports

GASOLINE—27 tons, Puerto Barrios; 434 tons, Tela; 23 tons, Puerto Castilla
GLUCOSE—14 tons, Havana
KEROSENE—10 tons, Puerto Barrios; 35 tons, Tela; 24 tons, Bluefields
LARD—24 tons, Panama City; 11 tons, West Coast South America
OIL, DIESEL—71 tons, Puerto Cabezas; 101 tons, Ceiba
FUEL—24 tons, Bluefields; 273 tons, Ceiba
LUBRICATING — 34 tons, West Coast South America
SOYBEAN—12 tons, East Coast South America
ROOF COATING COMPOUND—11 tons, Ceiba
ROSIN—10 tons, Panama City
SALT—26 tons, Havana
WAX—47 tons, West Coast South America
WOOD PRESERVER—17 tons, Ceiba

Philadelphia Exports

ALUMINA SULPHATE—300 bbls, Manila

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following:—

Chemical Control:—A control office for chemical products has been established in Poland. Its purpose is stated to be to regulate and supervise trade in industrial chemical products, except products under monopoly control. With reference to foreign trade, it is to determine import needs, to regulate and plan the distribution of imported products, and to regulate exportation.

Export-Import Bureau:—An export-import bureau has been established in the Bank of Brazil for the purpose of stimulating and aiding the exportation of native products and to assure the most favorable terms for the importation of foreign products.

Fuel Oil:—Chile has established tariff quotas of 5,000 tons of fuel oil to be used for paving roads, and of 20,000 tons of asphalt for the same purpose. Imports of fuel oil under this quota will be dutiable at only one-half the regular import duty of 12 gold pesos per gross ton; and the asphalt will be dutiable at 1.50 instead of 2.20 gold pesos per gross metric quintal.

Gasoline:—The importation of gasoline into the Belgian Congo is now permitted only to those importers who agree to hold reserve stocks equal to one-half of the total quantity of gasoline declared to customs for consumption during the preceding twelve-month period.

Kerosene:—Barbados has cancelled the emergency duty of 1½ pence per gallon on motor fuels and other petroleum distillates, except kerosene.

Package Tax:—A tax has been imposed on packages imported into Antigua. The tax varies in amount from 1 penny to 4 shillings per package, depending upon the article. The tax of one penny per package on imports into Barbados has been increased to 6 pence per package.

Pharmaceutical Specialties: — The importation of pharmaceutical specialties into Egypt is subject to provisions of a new law regulating the profession of pharmacists and the trade in medicinal and poisonous substances. Only such pharmaceuticals as are allowed to be used in the countries of origin may be imported. These may not be imported in bulk but must be imported in sealed cartons and sold in the same containers, exception is made in the case of ampoule when the name of the medicine is engraved on the glass.

Surtax Duty:—The import duty surtax applying on articles imported into Antigua was generally increased to 30 percent of the duty.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—75,600 bbls, Seattle; 3,234 bbls, San Diego; 1,563 bbls, San Diego; 747 bbls, San Diego; 56,368 bbls, San Francisco; 2,800 bbls, San Diego; 3,635 bbls, San Diego; 1,485 bbls, San Diego; 1,613 bbls, San Diego; 65,649 bbls, Oakland; 69,253 bbls, Seattle
OIL, DIESEL—1,303 bbls, San Diego; 8,008 bbls, Oakland; 11,519 bbls, Seattle; 5,274 bbls, Seattle
FUEL—103,417 bbls, Richmond; 66,000 bbls, Portland; 54,631 bbls, Willbridge; 46,844 bbls, Seattle; 66,842 bbls, Seattle; 68,062 bbls, Portland; 66,377 bbls, Avon; 61,961 bbls, Seattle
SOLVENTS—61,427 bbls, Paulsboro

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended July 9

Camphor in oil, 4 boxes; not N.F.
Cassia oil, 35 drums; not U.S.P.
Cod oil, 175 drums; restricted use.
Cubebs, 16 bags; not N.F.
Ergot, 14 crates; not U.S.P.
Fennel seed, 60 bags; filthy.
Glue stock, 424 bags; restricted use.
Eucalyptus oil, 25 drums; restricted use.
Henbane, 107 bales; not U.S.P.
Liver extract, 1 parcel; not U.S.P.
Medicinal preparations, 3 parcels; new drug.
Medicinal preparations, 13 cases; not properly labeled.
Orange flower water, 9 drums; not U.S.P.
Sesame seed, 168 bags; filthy.

Atlanta

Week Ended July 9

Peanut oil, 10 cases; incorrect quantity of contents statement.

Boston

Week Ended July 9

Apricot kernels, 20 bags; restricted use.
Cocoa beans, 524 bags; water damaged.

Denver

Week Ended June 26

Medicinal, 1 piece; false therapeutic claims; quantitative composition incorrectly stated.

Los Angeles

Two Weeks Ended July 3

Medicinals, 80 pieces; false therapeutic claims.
Medicinals, 24 pieces; omission mandatory labeling.
Shark livers, frozen, 215 cans; filthy and decomposed.
Shark livers, frozen, 109 pieces; decomposed.

Philadelphia

Week Ended July 9

Cocoa beans, 114 bags; water damaged.
Hair dye, 1 parcel; not properly labeled; dangerous preparation.
Mustard bran, 360 bags; filthy.

San Francisco

Two Weeks Ended July 3

Hair tonic, 72 pieces; false statements; ommission mandatory labeling.
Medicinal, 200 pieces; omission mandatory labeling.
Medicinal, 52 pieces; false therapeutic claims.

Seattle

Two Weeks Ended July 3

Cassia, 50 bales; filthy.
Hair dye, 36 pieces; poisonous substance and no caution statement.
Medicinals, 16 pieces; false therapeutic claims.
Medicinals, 13 pieces; dangerous drug.
Medicinal, 1 piece; false therapeutic claims; common names, active ingredients, not declared.

Export Control Affidavit List to July 1 Issued

—*Continued from page* 5

that a copy of the order or, where this is not practicable, an endorsement must appear on the face of the application substantially as follows:—

This application for Export License contains the same data as our order No. ——— scheduld for shipment ———

Listed below are the commodities requiring affidavits to destinations other than the British Empire, except as noted:—

Acetic aldehyde
Alkyd resins
Aluminum†
Ammonia and ammonium compounds†
Aniline oil
Antimony†
Bismuth†
Brass*†
Bromine†
Bronze*†
Cadmium† (except pigments)
Calf and kip skins
Calcium cyanide
Calcium nitrate
Casein†
Chromium† (except pigments)
Cobalt†
Coppers*†
Cotton linters
Cuprous oxide
Dicyanodiamide
Diethyl phthalate
Dibutyl phthalate
Dimethylaniline
Dipropylphthalate (normal and iso)
Electrical machinery and apparatus containing mica
Boiler gauge glass tubes
Radio mica condensers, or capacitors, all kinds
Ethylene
Ethylene chlorhydrine
Ethylene dibromide
Fertilizer mixtures, prepared, containing 25 percent or more sodium nitrate
Formaldehyde
Graphite electrodes*†
Guanidine nitrate

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Business Offered

FOR SALE — Company manufacturing pharmaceutical and chemical specialties; established sales to veterinarians and physicians. Control subsidiary, manufacturing packaged specialties for dogs and cats. BOX 294, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Absorption tower packings consisting of the following terra cotta items:—2,700 3¾-in. diameter spherical balls, 15,000 3¾-in. diameter x 4-in. long tubes, 700 5½-in. diameter x 4½-in. long tubes, 150 7-in. diameter x 5-in. long tubes, 42,000 1-in. diameter x 1-in. long tubes. Complete specifications on request to Ansbacher-Siegle Corporation, Rosebank, Staten Island, New York.

FOR SALE—Two 6x8-ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—Three 12-in. x 32-in. Day 5-roller mills, motor driven; pony mixers, 8 to 40 gals.; three Kent 8-in. lab., and five Ross 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700-gal. jacketed mixer; thirty filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers, Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR SALE—One No. 1 K.E.K. patents centrifugal grinding and blending mill (all around machine for grinding, blending, pulverizing, fibring, colloiding and emulsifying). Capacity, 2,000 to 3,000 lbs. per hour. Used previously for short time for soybean flour. BOX 289, Oil, Paint and Drug Reporter.

Equipment Offered

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR SALE—New monel tank, 100-gal., equipped with monel shaft propeller agitator gas burner, acid-proof valve outlet. BOX 293, Oil, Paint and Drug Reporter.

Equipment Wanted

AUTOMATIC and semi-automatic filling equipment wanted for packaging of lye. Preferably Pneumatic or Stokes-Smith. Must be in good condition. Automatic equipment for packaging powder in various sizes. Complete unit with labeler. Full particulars. BOX 264, Oil, Paint and Drug Reporter.

WANTED TO BUY one or two 350-500 gallon steel autoclaves suitable to operate at pressure of 200 lbs. per sq. in. Autoclave to be steam jacketed for 100 lbs. per sq. in. steam pressure. Does not need agitator. Submit offers with price and location to BOX 270, Oil, Paint and Drug Reporter.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 282, Oil, Paint and Drug Reporter.

Factories Offered

FOR SALE to settle estate. Paint factory with machinery. Brick mill construction, sprinkler system, elevators. In industrial section of Brooklyn, N. Y. Approximately 57,000 sq. ft. suitable for other purposes. Communicate with Charles J. Seidler, Attorney, 50 East 42nd street, New York City MUrray Hill 2-4669.

Factories Offered

FIREPROOF FACTORY, corner, two-story, 30,000 sq. ft., extra large elevator, sprinklers, steam plant (oil burner), yard, dock facilities. Unrestricted district in Brooklyn. Bargain. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

PLANT or loft, 3,000-5,000 square feet, power, water and possibly steam, near New York. BOX 290, Oil, Paint and Drug Reporter.

Materials Offered

PROPRIETARY DRUG—Famous for over 49 years, trade name known internationally. Large stock available. Can be purchased outright or will consider partner. Offer expires shortly as preparation for fall drive now under way. BOX 285, Oil, Paint and Drug Reporter.

BENZOIC ACID—Free from chlorine, U.S.P. except slightly off color. 1,000 lbs. available immediately, about 500 lbs. per month thereafter. Make offer. Samples will be submitted to bonafide users. BOX 286, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

FILLERS WANTED—Cotton linters, wool fibers, rayon fibers, viscose or cellulose acetate scrap, nylon fiber scrap, natural silk scrap. State quantities, prices, delivery data; send 1-ounce samples. BOX 291, Oil, Paint and Drug Reporter.

Positions Wanted

THOROUGHLY TRAINED wholesale drug and sundries man desires position where he could render real service in pricing, buying or department managing. Married, good disposition, temperate. Go anywhere. BOX 287, Oil, Paint and Drug Reporter.

Positions Wanted

PRODUCTION CHEMIST, B.S., capable supervising production in process or small plant. Handle equipment such as centrifugals, stills, dryers, pumps, sifters, tablet machines, etc. Understand pipefitting. Experience salicylates, ergosterol, quinine, euquinine, sulfanilamide. First aid certificate. BOX 288, Oil, Paint and Drug Reporter.

EXECUTIVE with successful record as organizer and administrator, including 23 years of sales and production management in the chemical specialties and industrial chemical fields. Has valuable contacts, wide following and several valuable formulae. Can assume full responsibility. BOX 292, Oil, Paint and Drug Reporter.

Processes Wanted

WANTED TO BUY process for recovery of by-product hydrochloric acid from organic chlorinations allowing the recovery in form of standard quality muriatic acid. Submit offers to BOX 271, Oil, Paint and Drug Reporter.

Services Offered

RUM TECHNOLOGIST—Consultant for improvement in plant capacity, yields, and quality of products through special manufacturing methods. Creation of special rum types, including the famous Jamaican. Six years of intensive continuous research in rum manufacture. Rafael Arroyo, Ch. E. & S. E., P. O. Box 136, Rio Piedras, Puerto Rico.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

AT PUBLIC AUCTION

Entire Machinery, Equipment of C. PARDEE TILE WORKS
Smith Street and Victory Bridge, PERTH AMBOY, NEW JERSEY
on the premises

TUESDAY, JULY 15th, 1941 — 10 A.M. (D.S.T.)

20 Abbe and Patterson Porcelain and Silex Lined Ball and Pebble Mills, 1—24" and 2—12" Mikro Pulverizers, 11—Castiron Filter Presses, Complete Machine Shop, over 100 AC Motors, General Factory Equipment, including lift trucks, conveyors, compressors, blowers, steel shelving, exhausters, unit heaters, pumps, air hoists, reduction drives, tanks, scales, time clocks, etc., etc.

BERNARD MAGRILL, Auctioneer
45 Broadway STagg 2-4574 Brooklyn, N. Y.

To Reach Plant: Route 25 to Route 4. Route 4 to Smith Street (Victory Bridge), Perth Amboy, N.J.

Save Precious Time

Speed Is Industry's Need - -
Avoid Production Delays By Using
CONSOLIDATED REBUILT MACHINERY
CONDITION GUARANTEED — DELIVERY QUICK

SPECIAL ITEMS FROM STOCK
6—4 ft. x 6 ft. Iron Oliver Filters.
8—2,000 lbs., 1,200 lbs., 800 lbs. Dry Powder Mixers.
2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other smaller sizes.
1—Oates 10 ft. copper Calandria Pan; other Vacuum Pans 50 to 500 gals.
12—Ball Mills, 10 gals. to 500 gals.
7—3-Roll Roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals; other W. & P. 2 gals. to 2,000 gals.

LIQUIDATION
Machinery and Equipment of
Toledo Sugar Plant
Toledo, Ohio

Send for Printed Circular listing: Raymond High Side 4-Roller Mills, Oliver Filters, Evaporators, Filter Presses, Vacuum Pans, Crystallizers, Cranes, Boilers, Conveyors, Kilns, Dryers, etc. Representative on Premises.

Don't Forget our Regular Stock of the Finest Rebuilt Machinery and Equipment—Send for Complete Lists

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GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Hemp†
Hides†
Istle or tampico†
Leather†
Plastic molding machines and presses
Precision instruments for use in the metal working industries
Magnesium†
Manganese†
Manila fiber†
Mercury†
Methylamine
Naphthalene
Natural gums and resins†
Nickel*†
Nitroderivatives of benzene, toluene, xylene, naphthalene and phenols (commonly referred to as coaltar intermediates) in addition to those specified in proclamation of May 1, 1937
Nitroguanidine
Nux vomica
Oakum
Pentaerythrite
Phenol
Phthalic anhydride
Platinum group metals†
Potassium salts and compounds†
Potassic fertilizer materials†
Ramie†
Rochelle salts
Shellac†
Silk†
Sisal or henequen†
Sodium chlorate
Sodium cyanide
Sodium nitrate
Strontium†
Strychnine and salts thereof
Sulphur chlorides
Sunn†
Tartaric acid
Thiodiglycol
Toluol
Vegetable oilseeds, and vegetable and other oil-bearing raw materials†
Zinc*† (except pigments)
Zirconium†

*Basic affidavits are required showing records of exportation for each of the calendar years 1935-40, inclusive.

†All forms, conversions and derivatives of this article or material listed in Export Control Schedules require basic affidavits. Such basic affidavits must show the record of exportation of the particular forms, conversions or derivatives. Example:—On basic affidavit for antimony sulphide the applicant shall show the amount of antimony sulphide exported by the applicant during the years 1937-40.

(c) Where an exporter can provide the information required in exact figures only by an operation involving undue hardship of delay or expense he may in lieu thereof submit in his affidavit an estimate of such figures, provided that the accuracy of such estimated figures is, to the best of his knowledge and belief, within five percent of the true figures.

Estimated figures, however, may not be submitted where the exact figures are reasonably available and, when submitted, must be accompanied by satisfactory explanation as to why the exact figures have not been compiled.

Penn-Mex Accepts $300,000 In Mexican Oil Land Grab

Penn-Mex Fuel Company has accepted $300,000 in full compensation for property expropriated by Mexico in 1938. Majority of the company's stock is held by the Consolidated Oil Corporation.

Premier Oil & Refining Company of Texas has purchased the Fort Worth refinery of Ohio Oil Company.

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